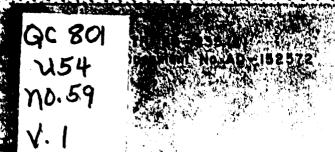
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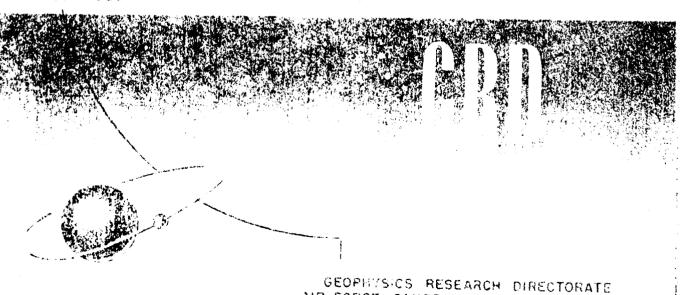


GEOPHYSICAL RESEARCH PAPERS
No. 59

PROJECT PRAIRIE GRASS, A FIELD PROGRAM
IN DIFFUSION
VOLUME I

EDITED BY
MORTON L. BARAD

JULY 1958



AIR FORCE CAMBRIDGE RESEARCH CENTER
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UNITED STATES AIR FORCE
BEDFORD, MASSACHUSETTS

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ERRATA

The following entries were omitted from TABLE 3.1, Surface Weather Observations, p. 19, of VOLUME I, Geophysical Research Papers No. 59, "Project Prairie Grass, A Field Program in Diffusion," dated July 1958:

Total Sky Cover	0	0	0
Relative Humidity (%)	45	ı	1
Wet Bulb (°F)	24	1	1
Dev. Point	47	ı	ı
Wind Direction	S	S	S
Temp.	69	69	20
Visibility (miles)		15	15
Ceiling	UNL	UNL	UNL
Time (CST)	2115	0035	0235
Gas Release No.	99	29	89

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GEOPHYSICAL RESEARCH PAPERS No. 59

PROJECT PRAIRIE GRASS, A FIELD PROGRAM IN DIFFUSION

Volume I

Edited by MORTON L. BARAD

July 1958

Project 7657

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Atmospheric Analysis Laboratory
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AIR RESEARCH AND DEVELOPMENT COMMAND
UNITED STATES AIR FORCE
Bedford, Mass.

PREFACE

During the Summer of 1956, sixty scientists, technicians, and test support personnel participated in an experimental program in micrometeorology. This program, nicknamed Project Prairie Grass, was conducted in north-central Nebraska near the town of O'Neill. Four universities and two government agencies participated in the field program, which was conceived and directed by personnel of the Atmospheric Analysis Laboratory of the Geophysics Research Directorate, Air Force Cambridge Research Center. The participants represented Massachusetts Institute of Technology, Texas A&M Research Foundation, University of Washington, University of Wisconsin, Air Weather Service, and units of the Air Force Cambridge Research Center.

The primary objective in Project Prairie Grass was to determine the rate of diffusion of a tracer gas as a function of meteorological conditions. The purposes of this paper are (1) to describe the equipment and procedures used in dispensing and sampling of the gas, analysing gas samples, measuring meteorological parameters, and reducing and processing data; and (2) to present tabulations of the data collected. It is not the intention here to present analyses of the data, evaluate existing diffusion models, or develop new models. Such analyses have been initiated by the research teams that participated in Project Prairie Grass and by other research groups under contract with the Geophysics Research Directorate. It is expected that their findings will be published in professional journals and in contract reports. It is hoped that other scientists, using the material contained in this report, will also undertake studies of the diffusion problem.

This report is being presented in three volumes to facilitate reading of text and use of data. Volume I contains an introductory

chapter which provides a background of the field program. Chapter 2 contains a description, by Texas A&M personnel, of the field site at O'Neill. The surface weather observations made by the Texas A&M group are presented in Chapter 3. Chapter 4 contains the surface synoptic charts prepared by GRD personnel. A description of the diffusion technique as well as tabulations of the diffusion data are presented in Chapter 5 by MIT personnel. Chapter 6 includes a description of the instrumentation used by MIT to measure wind speed and direction parameters, as well as tabulations of the wind data.

Volume II opens in Chapter 7 with a description of the instrumentation used by the Texas A&M group to determine mean profiles of air temperature, soil temperature, and wind speed as well as other terms necessary in calculating the heat budget at the air-earth interface. Chapter 8 includes the profile data collected during the test periods as well as during other periods during the summer. In Chapter 9, Texas A&M scientists describe a method of computing heat budget terms and present a tabulation of such terms for the test periods. Another technique for determining the heat budget terms was employed by a University of Wisconsin team. Their technique and computed heat budget terms appear in Chapter 10. A technique of determining temperature profiles by optical methods is being developed by research workers at the University of Washington. A description of the optical method technique and the data collected at O'Neill are presented in Chapter 11. The rawinsonde data collected by Air Weather Service personnel and edited by GRD personnel are presented in Chapter 12. This volume concludes with a description by GRD personnel of the instrumentation and techniques used in airplane observations of temperature and humidity; and the data collected during the gas releases are tabulated.

Volume III is not expected to be ready for publication before

the end of 1958. Present plans for this volume call for presenting (1) descriptions of the bi-vane anemometry employed by MIT in the measurement of eddy components for determining turbulence spectra and scales of turbulence; descriptions of the procedures employed by Iowa State College in reducing bi-vane data, and by GRD in computing spectra and scales of turbulence; and (2) descriptions of the sonic anemometry employed by the University of Wisconsin in determining turbulence spectra. The spectra and scale data will also be presented in Volume III.

The people who participated in Project Prairie Grass are to be congratulated for the diligence and efficiency they exhibited during the planning for and the performance of the field experiments and during the preparation of this report. They are to be commended for a spirit of cooperation, so necessary in making the program a successful one. A list of the participants follows:

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Our thanks go to the residents of O'Neill, Nebraska for their valuable assistance in the solution of a variety of problems which arose in the course of the field program.

> Morton L. Barad Geophysics Research Directorate

ABSTRACT

Project Prairie Grass was a field program designed to provide experimental data on the diffusion of a tracer gas over a range of 800 meters. In each of 70 experiments the gas was released continuously for 10 minutes at a source located near ground level. The gas releases were made over a flat prairie in Nebraska under a variety of meteorological conditions during July and August of 1956.

This paper includes a brief history of the project and detailed descriptions of the tracer technique and the meteorological equipment used in the field program. Tabulations of the diffusion data and the meteorological data collected during the gas releases are also presented. In addition, this paper contains data on the heat budget at the air-earth interface during other selected periods during the Summer of 1956.

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PROJECT PRAIRIE GRASS, A FIELD PROGRAM IN DIFFUSION

CHAPTER 1 INTRODUCTION

M. L. Barad Ceophysics Research Directorate Air Force Cambridge Research Center

Project Prairie Grass is the name given to a field program conducted near O'Neill, Nebraska during the Summer of 1956. The main objective in this program was to learn how the diffusion of a tracer gas emitted continuously at a point source near ground level varies with meteorological conditions. This report contains descriptions of the techniques and procedures employed in the program and summaries of the data collected. The purpose in this introductory chapter is to present an account of the historical background of Project Prairie Grass in order that the reader may understand why the research was undertaken and why certain techniques were employed in the field program.

There is little doubt that advances made in diffusion theory and experimentation directly aid in solving a number of practical problems in the atmospheric boundary layer. In the field of air pollution abatement, for example, advances made in diffusion research lead to more intelligent choices of plant location, design of plant buildings and stacks, periods of stack emission, etc. In the field of crop spraying, as another example, progress made through diffusion studies leads to better selection of spray altitudes, spray periods, etc.

There are, however, a number of other boundary layer problems which can also be brought nearer to solution by the insight gained through diffusion research. To solve such problems as the forecasting

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of fog, frost, or low-level wind shear, for example, an increased understanding of the basic mixing processes at work in the lower atmosphere is necessary. In attempts to understand these processes, investigators have studied the diurnal and height variations of turbulent fluxes of momentum, heat, and water vapor. Although these fluxes can be measured at a number of points in space, research workers generally find it difficult to interpret such measurements. Though one may have some success in describing the region through which the property is transported, he is usually at a loss to quantitatively define the source of the property. However, if a distinctive tracer is introduced into the atmosphere at a source which can be precisely defined as to location and strength and if concentrations of this tracer are measured downwind from this source, a means is provided of gaining greater insight into the basic mixing mechanism present in the atmosphere. It is not surprising then that micrometeorologists and hydrodynamicists interested in turbulence phenomena should apply general hypotheses to the development of diffusion theory and should seek to employ data from diffusion experiments to test their diffusion hypotheses. Diffusion theory and experimentation, then, provide more than solutions to specific air pollution problems; they provide a means of improving our understanding of turbulence phenomena.

In this analysis of the situation, the chain of activity goes from general turbulence hypotheses to a specific diffusion hypothesis to experimental verification. A study of the literature reveals that much work has been done, particularly in the past 25 years, in the development of general turbulence and diffusion hypotheses. However, very little has been done in the collection of accurate diffusion data with which to test the diffusion hypotheses.

In January of 1953, a number of university and government scientists engaged in micrometeorological research assembled in Boston to participate in the planning of the Great Plains Turbulence Field Program, a program held later that year near O'Neill, Nebraska.

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Although the participants at this planning session were prepared to make a variety of meteorological measurements, no one was prepared to make quantitative measurements of diffusion. It seemed that none of the participants had both a satisfactory tracer technique and the equipment necessary to collect tracer samples in a dense network of stations.

At this point the Geophysics Research Directorate decided to support the development of a tracer technique which would be suitable for studying diffusion rates over a range of about 1 km when the tracer was emitted continuously at a fixed point near ground level. Actually, the development of two tracer techniques was supported. The first involved the use of tritiated ethane, a radioactive tracer. Because of the relatively high costs in manpower and material which would have been imposed if this technique had been used, it was shelved in favor of the second technique, developed by MIT at its Round Hill Field Station.* This technique called for the use of sulfur dioxide as the tracer.

It will be noted that the tracer technique was developed for continuous emission. If istorically, theoretical work usually starts with diffusion from an instantaneous point source, with the growth of a small puff of smoke, for example, and then proceeds by integration to other sources such as the continuous source, line sources, etc. Yet, historically, most of the experimental work has begun with the continuous point source. There appear to be at least three reasons for preferring the continuous source over the instantaneous one. First, the engineering of the continuous source with reproducible characteristics, experiment after experiment, is generally simpler. Second, the statistical interpretation of the concentration measurements at downwind stations is simpler, particularly where time-mean concentrations are found, as they were in Project Prairie Grass. Third, the determination of what constitutes pertinent meteorological data and the provision of such data

^{*}See Chapter 5 for a description of the technique developed by MIT.

are generally simpler. For these reasons, principally, a continuous source was chosen for Project Prairie Grass.

In the diffusion experiments an emission time of 10 minutes was chosen. This time was a compromise, arrived at after considering such factors as the cost of tracer gas, practical rates of emission, distance between the samplers closest to the source and the most distant ones, and desirability of having fairly stable time-mean diffusion patterns in the area downwind from the source.

In experiments of this sort, it is desirable that the cost of tracer material be low and that the tracer can be emitted at a fairly constant rate. It is desirable that tracer losses on ground, vegetation, and other surfaces in the area sampled be negligibly low. It is desirable that the sampling rate for each sampler be constant throughout an experiment and that this rate be uniform from sampler to sampler. If the measurements are to be used to evaluate existing hypotheses or to construct new models, it is important that there be an adequately dense network of samplers. Therefore, if hundreds of samplers are to be exposed at one time and if spares are to be available, the samplers must be relatively inexpensive. It is necessary that the analysis of samples be accurate, cover a wide range of concentrations, and be accomplished in relatively short time. It is believed that the diffusion technique developed by MIT meets these requirements very well.

By the Spring of 1955, a decision was made to shift the experimental program from the Round Hill Field Station of MIT to a site which would permit the collection of sulfur dioxide samples over greater downwind distances and over more uniform terrain and vegetation. A section of land near O'Neill, Nebraska was chosen as the site of the field program.*

^{*}The land leased was Section 14, Township 29 North, Range 11 West, Holt County, Nebraska.

The square mile chosen had the following characteristics:

- 1. It was a fairly flat area, as Figure 1.1 indicates. The contour lines shown in Figure 1.1 are for 1-foot intervals. The gas source was located at the center of five concentric semicircles having radii of 50, 100, 200, 400, and 800 meters. North of the E-W line passing through the source, the topography is very flat, being within + 3 feet of the mean elevation in that part of the section. The topography rises gently to the southwest with an average grade of about 10 feet per half-mile, and to the southeast with an average grade of about 20 feet per half-mile.
- 2. Logistical and technical considerations had led to the decision to sample the gas on semicircular arcs rather than on full circular arcs. In a study of the wind climatology of the O'Neill area, it was found that wind directions between 120° and 240° occur more than 50 percent of the time in July and August. On this basis, primarily, the sampling grid was laid out as shown in Figure 1.1.
- 3. The vegetative cover was fairly uniform as to grass type. The "hayfield" was mowed prior to the experiments, and since there was little precipitation during the months of July and August, the grass height was fairly uniform during the program.
- 4. The site was relatively free of obstructions to air flow. Most of the equipment used in dispensing the gas was placed in a dugout 50 m upwind of the actual source. A laboratory building and three Jamesway huts were erected over 300 m east-southeast of the source. With the exception of cup anemometers and wind vanes mounted on wooden posts near the source and 450 m north of the source, the meteorological equipment, trailers, and Jamesway huts were all located on the observation line, downwind of the 800 m sampling arc.
- 5. The nearest farmhouse was over 1300 m northwest of the source. As a result, there were no complaints from nonparticipants about the gas which, on a few occasions, was pungent on the observation line, about 900 m from the source.
- 6. Stable a-c power was brought to various points in the field. The overhead power line starting at Opportunity Road is shown in Figure 1.1.

The O'Neill area had other advantages: friendly and cooperative townspeople, an airport, and adequate housing.

In diffusion experiments of the type conducted at O'Neill, it is

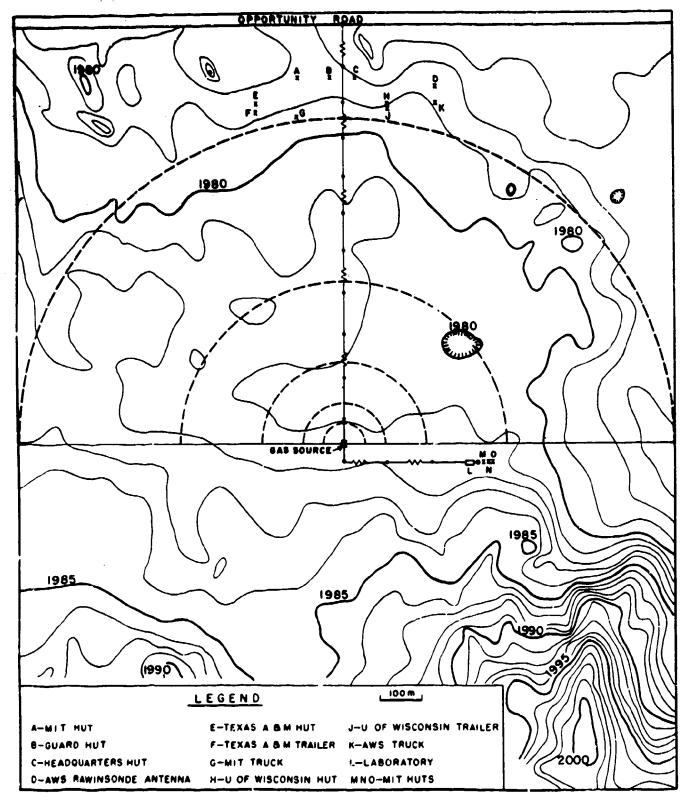


Figure 1.1 Topography of field site and layout of equipment

considered essential that a number of meteorological measurements be made to characterize the experiments and to provide measurements of parameters required for evaluating diffusion models calling for the use of these parameters. Thus, in the Prairie Grass experiments many of the measurements were suggested by existing diffusion hypotheses. For example, the Sutton hypothesis calls for determining wind profile and gustiness parameters. The Calder-Deacon hypotheses suggest the determination of wind profile parameters and, in implying that the Richardson Number or stability ratio is useful, suggest the measurement of temperature profile. The works of Inoue and Ogura suggest the determination of turbulence spectra and scales of turbulence. Other meteorological measurements were made because there was some evidence that they might be called for in new diffusion models or in the forecasting of diffusion patterns from limited meteorological data.

For the meteorological measurements to be useful, past history in experimental micrometeorology has shown that they must be representative and very accurate. It was the overall impression of the biased participating scientists, as well as those who visited the field program, that the meteorological measurements which accompanied the diffusion experiments were of very high caliber.

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- 1. Lettau, H. H. and Davidson, B., "Exploring the Atmosphere's First Mile," Pergamon Press Inc., N. Y. (1957)
- 2. "Development of a Tracer Technique," Final Report, Contract No. AF19(604)-1045, Tracerlab, Inc. (1955)

CHAPTER 2 A DESCRIPTION OF THE FIELD SITE IN PROJECT PRAIRIE GRASS

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Texas A&M Research Foundation

The observation site was an extensive, virtually level field previously used to pasture cattle. The field was uncultivated and covered with native prairie grasses. Prior to the first observation period, the grass was mowed and little growth occurred thereafter due to arid climatic conditions.

2.1 Location

The experimental site was located about five miles northeast of the center of O'Neill, Nebraska. Geographical coordinates are Latitude, 42° 29.6' North; Longitude, 98° 34.3' West; altitude at gas source, 1980 feet above mean sea level.

2.2 Landscape

The field is part of a nearly-level upland. The land rises moderately to the southeast to a hill about 0.6 miles from the gas source. There is no surface drainage pattern at all. Rain water soaks into the soil immediately, or accumulates in small depressions until it all infiltrates or evaporates. The drainage pattern of Redbird Creek (a tributary of the Niobrara River) has advanced southward to within about a mile of the site. To the west, south, and east, there are not even intermittent streams for several miles.

From the site, then, except for carefully placed project equipment, one has an unobstructed view for miles (Figure 2.1). Since there are no hills or mountains in the distance, there is no distinct horizon. Toward the southeast the hill forms a visibility mask at 1.5 miles. The unobstructed view is felt only when distant thunderstorms, etc., are observed. Otherwise, there is nothing to see in the distance.

^{*}Present affiliation: U. S. Navy Electronics Laboratory

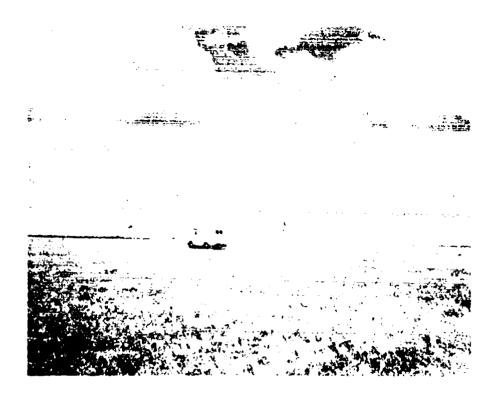


Figure 2.1 View looking southwest from center of observation line at north side of site. Photograph taken in mid-August

Land is laid out in mile-square fields, with a farmstead on many of these "country blocks." There was one farmstead, with its cluster of buildings and trees, about 1300 meters northwest of the gas source. 2.3 Soil

The site was in a hayfield on O'Neill loam, upland phase. This soil has a black, top soil about 25 cm thick. It is loose and friable, and with profuse grass roots forms a tough sod. Organic matter content was determined to be 4 percent. The top soil is underlain by a brown subsoil, about 20 cm thick. Both these layers have good waterholding capacity. From a 45-cm depth to 60 cm, there is a light brown layer of compacted soil. Soil particles are plate-like and horizontal, and this layer is very difficult to cut into from above. However, a small clod of this material may easily be crumbled by lateral compression. Through this compacted layer, few grass roots penetrate.

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There are decayed roots, up to 1 cm diameter, of shrubs which once grew here and which did penetrate this layer to the sand below.

Below the compacted layer, from a 60-cm depth to at least a 120-cm depth, the soil is a loose, coarse sand with much gravel. Water held here is only very slowly available to the grass, because few roots penetrate to the sand and water movement upward through the sand and the compacted layer is extremely slow.

Bulk densities of the soil were determined on 10 July, 16 July, 6 August, and 29 August near the Texas A&M instrumentation location. The best values, in grams of dry soil material per cubic centimeter of the natural soil, are given in Table 2.1.

Table 2.1. Values of bulk density

DEPTH (cm)	BULK DENSITY (gm/cm ³)
0 -10 10-20 20-30 30-40 40-50 50-60 60-70 70-80 80-90 90-100	1.05 1.15 1.25 1.34 1.35 1.36 1.41 1.47 1.54

2.4 Vegetation

The wild hay was cut on 28 June. Through July and August, the field was dominated by the brown stubble 5 to 6 cm high, with some sparse stubble up to 20 cm high. After a rain, the field had a greenish brown appearance for a day or two. This was due to a short, fine, green grass coming up, and to the greening of some species of brownish grass that was still alive. Growth of the vegetation, as a whole, was slight, and the amount of dead and living plants standing up remained fairly constant. In late August, scattered, small, green

shrubs became more conspicuous. These shrubs attained a height of approximately 18 centimeters.

There were a few small prickly pears in the field. There was scarcely any litter of plant material lying loose on top of the soil. Dried and weathered cakes of cow dung were spread about rather evenly, about one per three square meters.

2.5 Albedo

Measurements of albedo on 10-11 July; 24-25-26 July; and 8-9 August show that the albedo is lowest at solar noon, and greater near sunrise and sunset. Average values for those days are given in Table 2.2.

Table 2.2. Values of albedo

TIME (CST)	ALBEDO
0605	0.331
0705 & 1805	.254
0805 & 1705	.212
0905 & 1605	.203
1005 & 1505	.190
1105 & 1405	.187
1205 & 1305	0.184

The albedo varies somewhat with solar angle, cloudiness, moisture on the grass, and changes in the vegetation with time.

2.6 General Weather

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Precipitation was measured daily from 29 June through 28 August. Maximum and minimum instrument shelter temperatures were measured from 10 July onward. These data are given in Table 2.3. On most of the days that precipitation occurred, one or more huge thunderstorms were visible from the site. These were accompanied by many cloud-toground lightning flashes. No lightning strikes near the site were observed, although electrical interference sometimes halted the use of the thermoelectric temperature measuring system. The only hail storm of the summer, with hailstones about 2 cm in diameter, occurred on 29 June.

Table 2.3. General weather

	Maximum Temperature (°F)	Minimum Temperature (°F)	Precipitation (in.)	Notes
29 June	-	-	0.58	Hail 2 cm in diameter
30	•	•	.00	
1 July	•	-	.23	
2 3 4 5 6 7	•	-	.00	
3	•	-	.00	
4	-	-	.21	
5	-	•	.00	
6	•	-	.00	
7	-	-	.00	
8	-	-	.00	
9 10	-	-	.00	
11	90.0	51.0	.00	Moisture determination
12	96.1	69.2	.00	
13	89.7 88.0	60.4	.01	
13	98.8	59.6	.00	
15	85.0	64.9	.08	
16	87.1	64.4 60.3	.00	Mariahaan adahan saturah s
1 7	90.9	57.2	.00 .00	Moisture determination
18	87.0	60.3	.00	
19	77.7	55.6	.04	
20	81.6	50.9	.00	
21	*	52.0	.00	
22	*	*	.00	
23	92.0	*	.00	
24	89.0	65.0	.00	
25	96.0	55.0	.00	
26	103.9	69.8	.00	
27	88.8	69.6	.00	
28	78.3	60.4	.00	
29	85.8	57.2	.00	
30	95.8	69.0	.03	
31	69.2	64.2	.04	
1 August	81.5	63.9	.32	
2	92.8	67.8	.08	
3	96.8	69.0	. 19	
4	90.0	69.2	.11	
5	93.1	58.3	0.00	

^{*}Thermometers were not reset.

Table 2.3. (cont.)

	Maximum Temperature (°F)	Minimum Temperature (°F)	Precipitation (in.)	Notes
6 August	88.2	63.0	0.06	Moisture determination
7	89.8	61.0	.00	
8 9	89.0	59.4	.04	
9	89.9	58.5	.01	
10	84.9	56.0	.04	•
11	84.5	57.7	.00	
12	90.0	63.5	.01	
13	93.0	60.0	.00	
14	96.2	66.0	.00	
15	100.0	54.1	. 25	
16	86.9	65.5	.00	
17	83.2	66.0	.00	
18	68.0	56.0	.20	
19	72.0	43.7	.00	
20	73.8	49.7	.00	
21	88.3	46.2	.00	
22	95.9	51.6	.00	
23	90.4	56.3	.00	
24	92.8	48.9	.00	
25	95.5	58.0	.00	
26	99.8	67.0	.00	
27	95.5	58.4	.01	
28	94.1	58.7	0.00	
29	-	50.3	•	Moisture determination

2.7 Soil Moisture

Soil moisture was generally deficient, and no crop of hay was produced after the mowing in late June. Moisture determinations were made on 10 July, 16 July, 6 August, and 29 August along with the bulk density determinations. The values are sufficiently accurate for estimating the heat capacity of the soil. They are not, in themselves, sufficient for specifying availability of soil moisture for evaporation and transpiration. No independent determinations of soil wilting point were made. Due to lateral variability and inadequacy of sampling, these moisture determinations do not permit the computing of changes in soil moisture content for the field.

Values of soil moisture, as percent dry weight, are given in Table 2.4.

Table 2.4. Values of soil moisture as percent dry weight

DEPTH (cm)	10 JULY	16 JULY	6 AUG	29 AUG	AVE OF 4
0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80 80-90 90-100	7.2 7.0 3.8 4.2 5.1 3.1 1.9 1.8 2.9 5.7	6.8 6.3 6.3 4.9 3.9 3.7 3.4 3.2 4.8	9.2 6.6 3.0 2.8 2.9 3.5 6.2 3.8 2.6 1.8	6.6 6.5 6.0 4.4 5.6 6.7 3.8 2.9 2.4 2.4	7.5 6.6 4.8 4.1 4.4 4.2 3.8 2.9 3.2 3.7

Most likely all of these values, except those above a 20-cm depth on 6 August, and those of the compacted layer and the sand below, represent the wilting point of the individual samples, or are very slightly higher. These soil samples at the wilting point were dusty and dirty. The loose sand below was cool (about 25°C) and moist to the touch throughout the summer. Howe the actual content of water was slight. The high moisture percentues down to 20 cm on 6 August reflect an increase in available moisture from recent rains. The soil in the field, as a whole, appeared to be driest on 29 August although the sample moisture determinations do not bear this out.

Since the soil was near the wilting point all summer, average values of the heat capacity per unit volume are sufficiently accurate for all soil heat computations. These values are given in Table 2.5.

Table 2.5. Values of heat capacity per unit volume

DEPTH (cm)	ρC _p 3 (cal/cm ³ deg)	
0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80 80-90 90-100	0.26 .28 .28 .30 .30 .30 .31 .31 .31	

REFERENCES

1. Moran, W. J., et al., "Soil Survey of Holt County, Nebraska," United States Department of Agriculture (1938)

CHAPTER 3

SURFACE WEATHER OBSERVATIONS

W. Covey, M. H. Halstead, S. Hillman, J. D. Merryman, R. L. Richman, A. H. York

Texas A&M Research Foundation

The surface weather observations at gas release times are given in Table 3.1.

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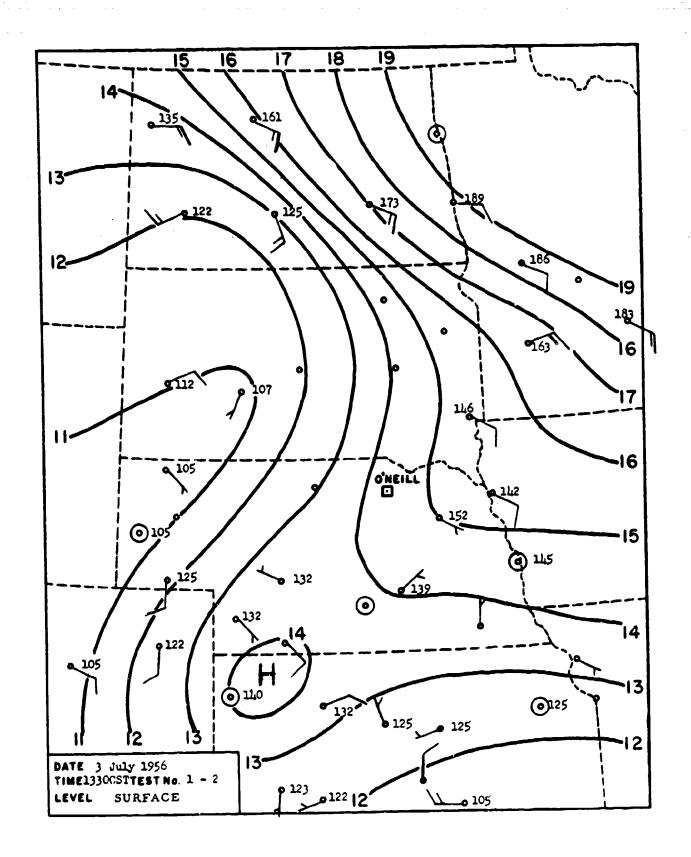
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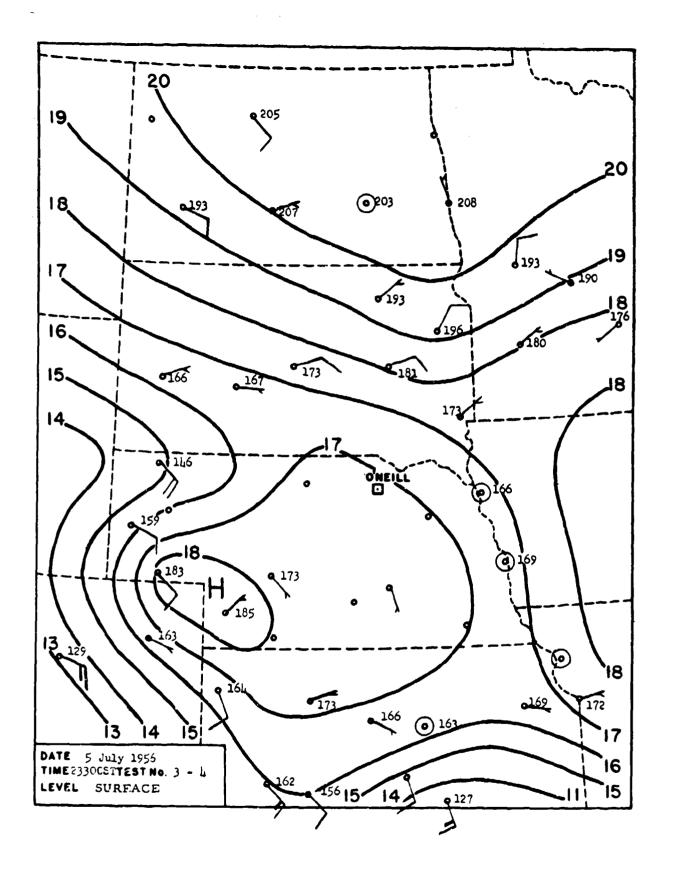
CHAPTER 4 SYNOPTIC INFORMATION

P. A. Giorgio and Lt. D. W. Stevens Geophysics Research Directorate Air Force Cambridge Research Center

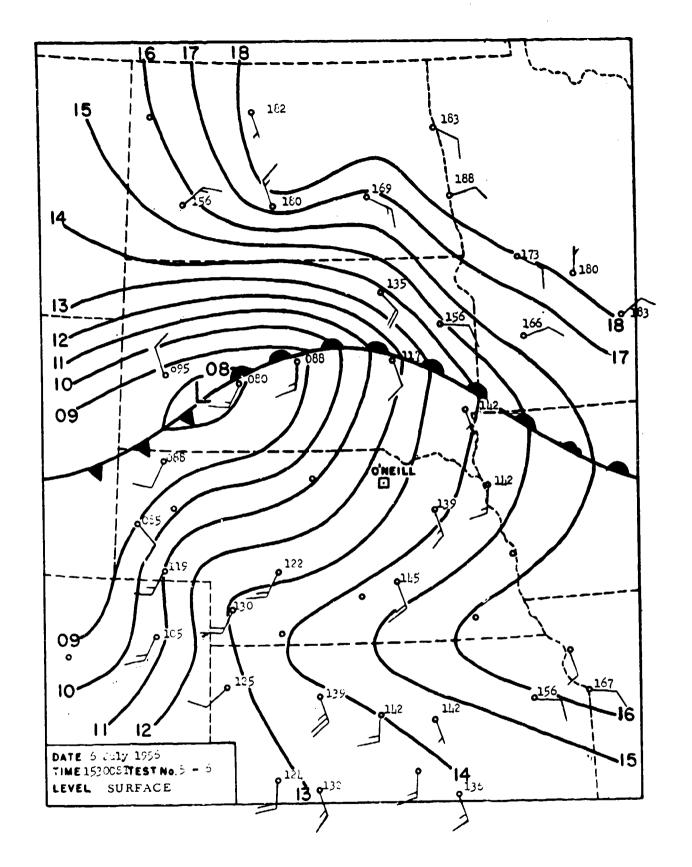
At an early stage of the field program, it became very apparent that use of only National Weather Analysis Center facsimile maps and prognoses would not suffice for the purposes of forecasting wind direction for gas releases. Consequently, sectional, sea-level, pressure maps were plotted and analyzed, using hourly airways sequences from the network of stations lying in the area extending from approximately 93°W to 104°W Longitude and from the United States-Canadian border southward to 37°N Latitude. Occasionally, coverage was extended westward as far as approximately 120°W, and southward to about 35°N. Isobars were drawn at 1 mb intervals. These maps revealed many small-scale features of the circulation which seldom appeared on the large-scale facsimile maps, and which often exercised primary control over the airflow at O'Neill. This type of analysis greatly facilitated the wind direction forecasting problem, and enabled more effective scheduling of gas releases.

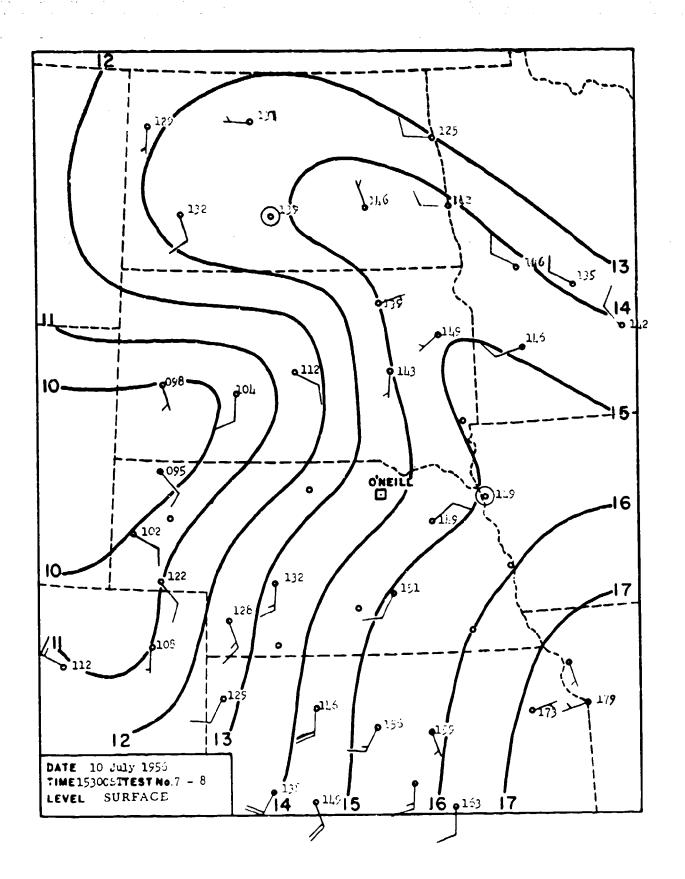
The accompanying maps were prepared from hourly airways sequences. Times were selected so that, in most cases, the map represents the sea-level pressure pattern existing midway between two gas releases. The only values plotted are the surface wind speed and direction and the sea-level pressure report from the station. Temperatures were used in some of the analyses, but omitted from the figures in the interest of clarity of reproduction. Standard analysis procedure was used, except that the isobar interval is 1 millibar. All analyses were checked for consistency with the U. S. Weather Bureau analyses for the same period. The isobar labels are the last two digits of the sea-level pressure: 13 = 1013 millibars.

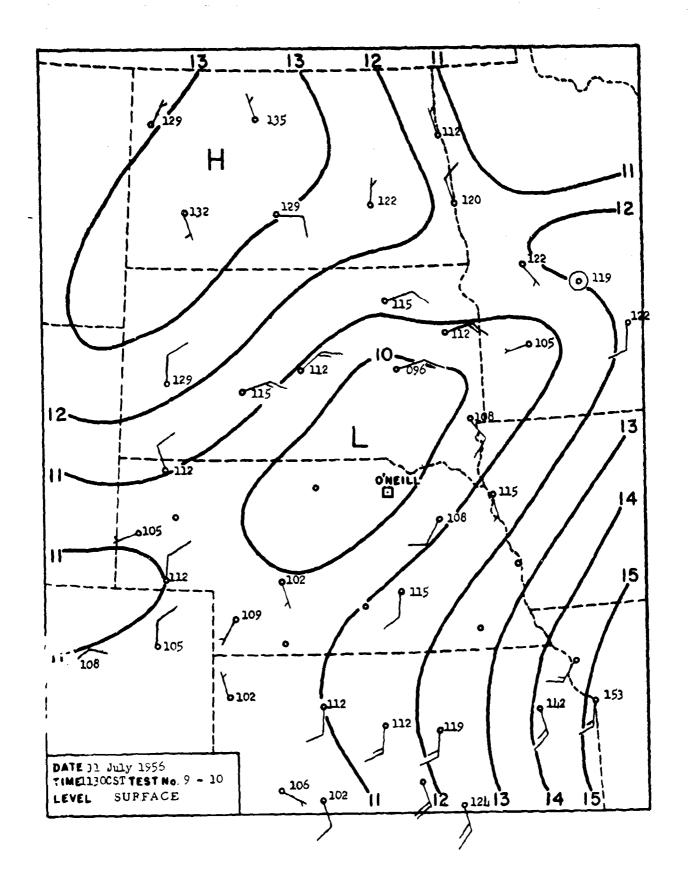


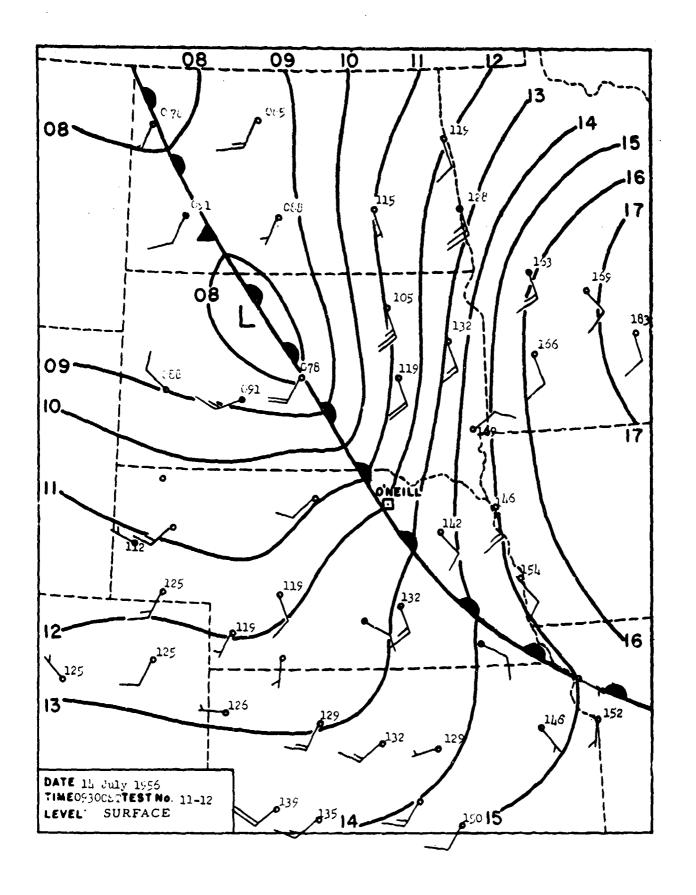


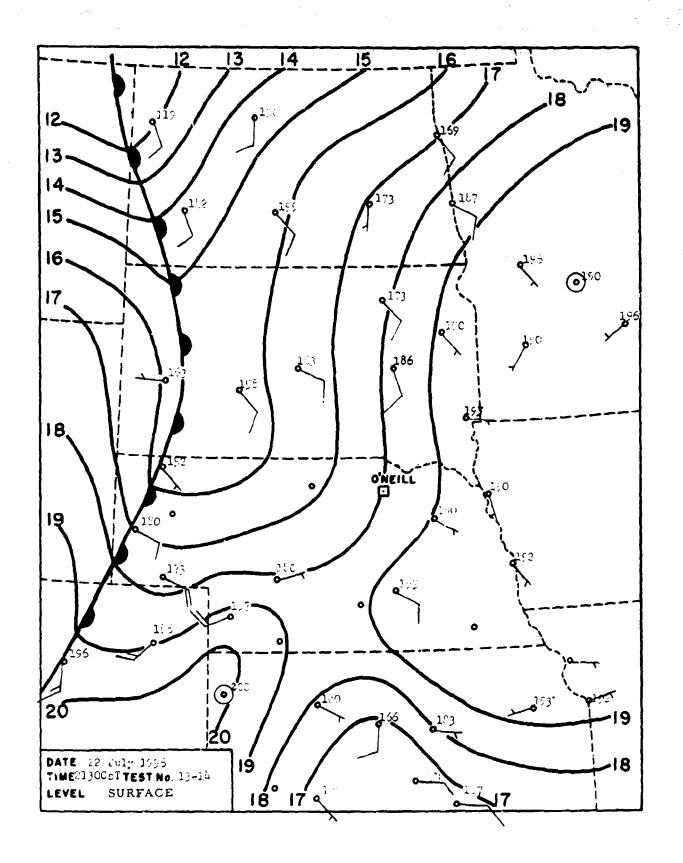
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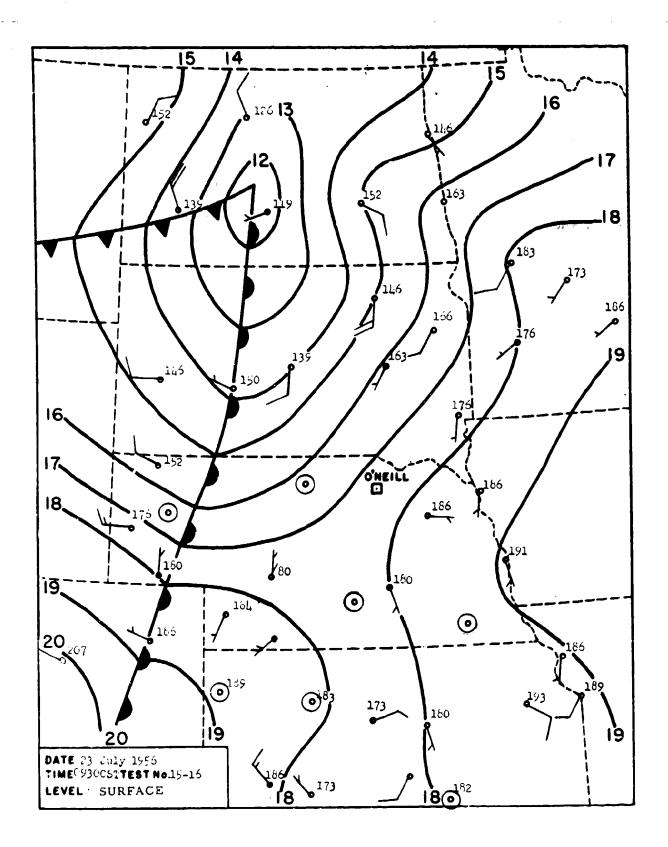


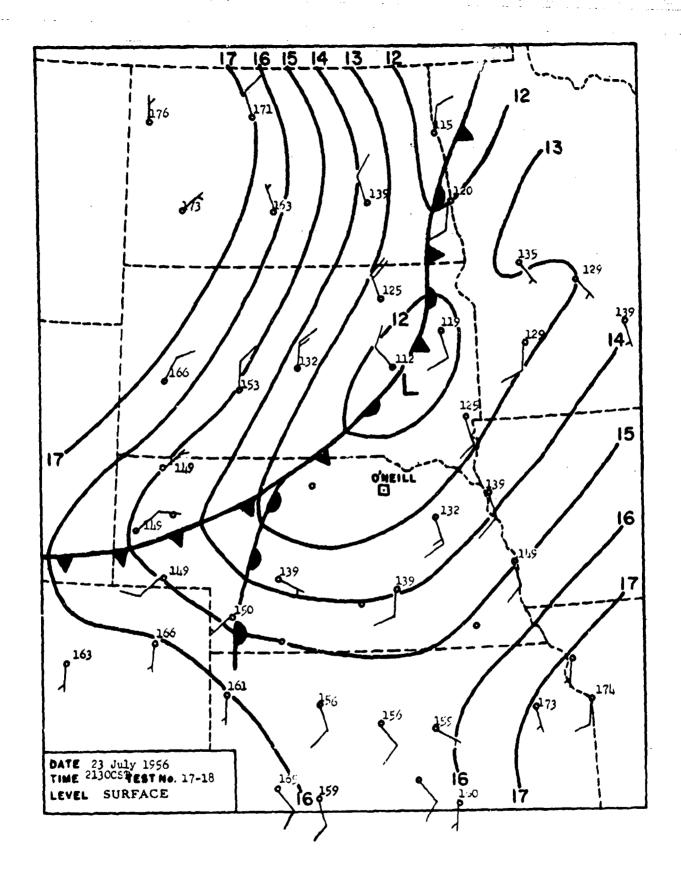




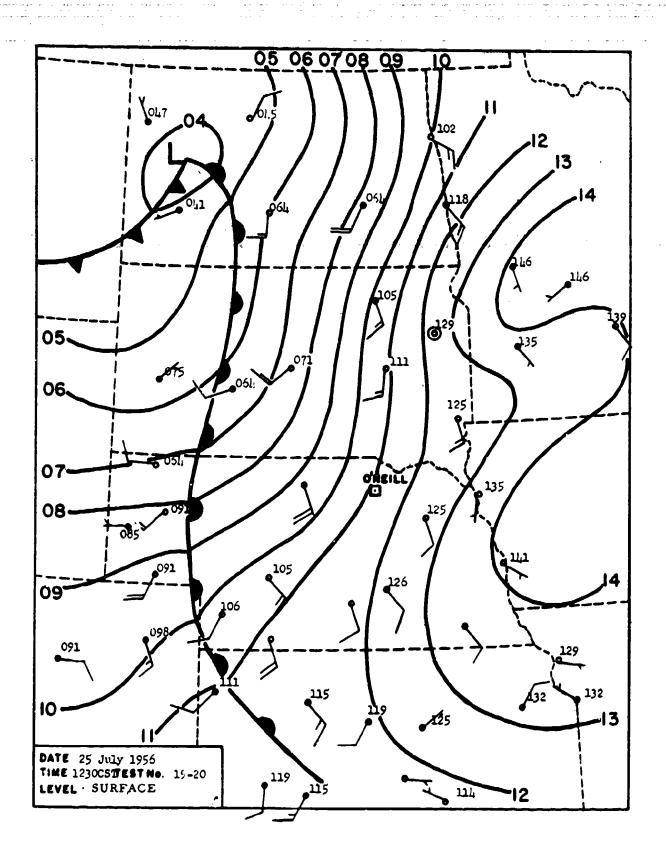


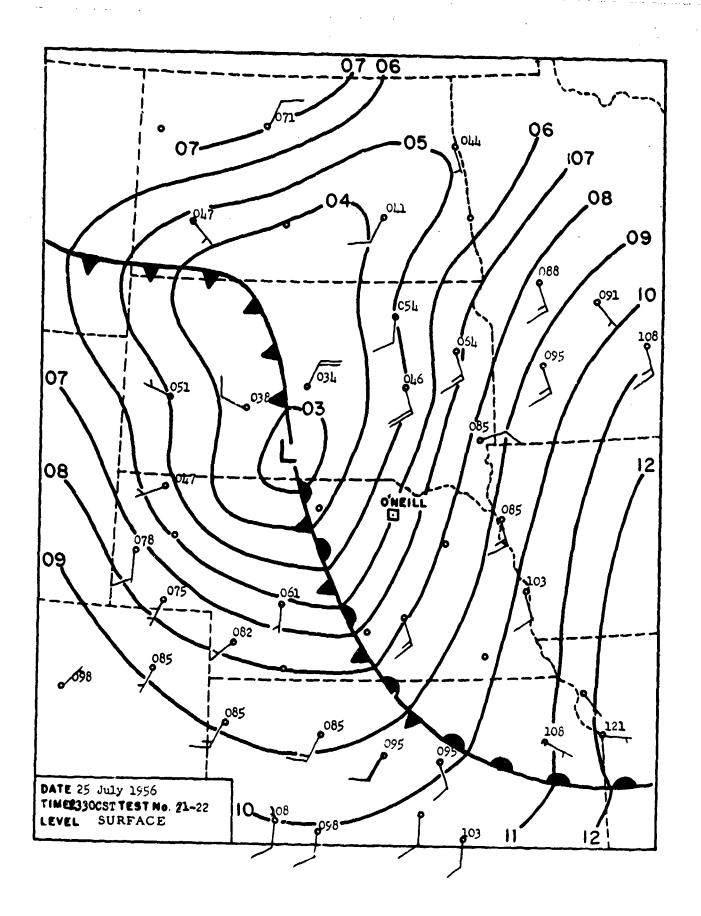


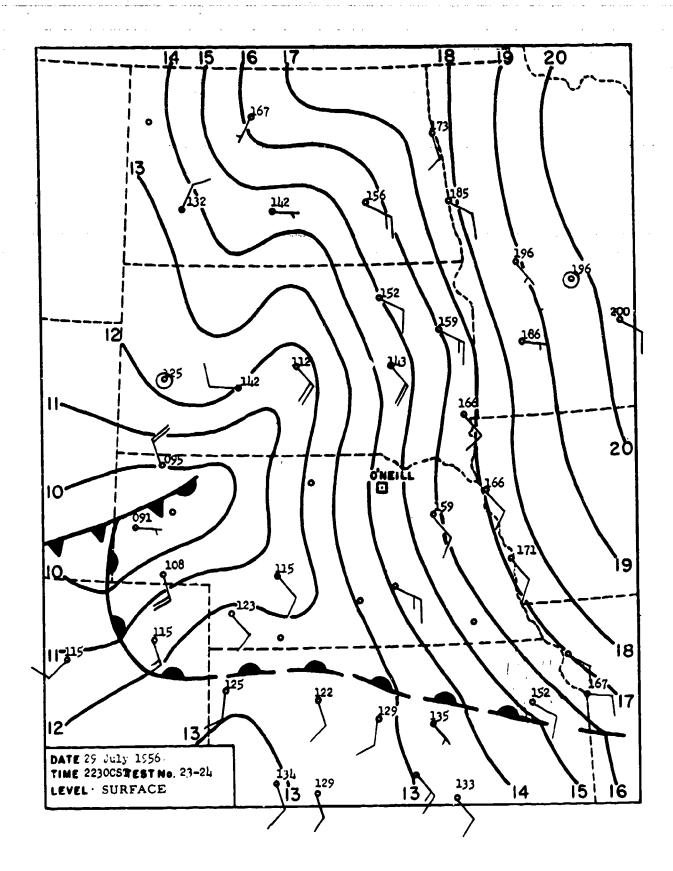


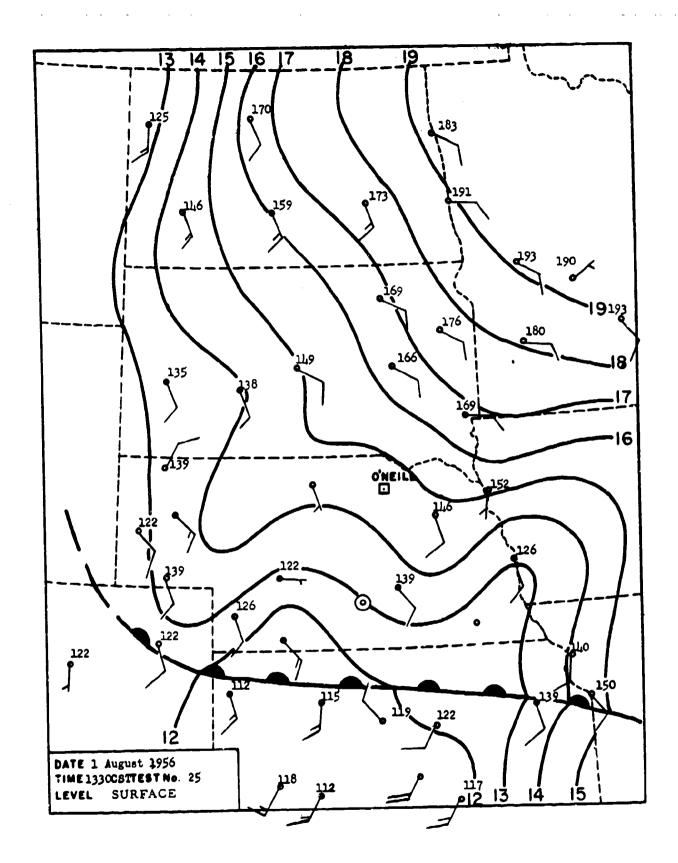


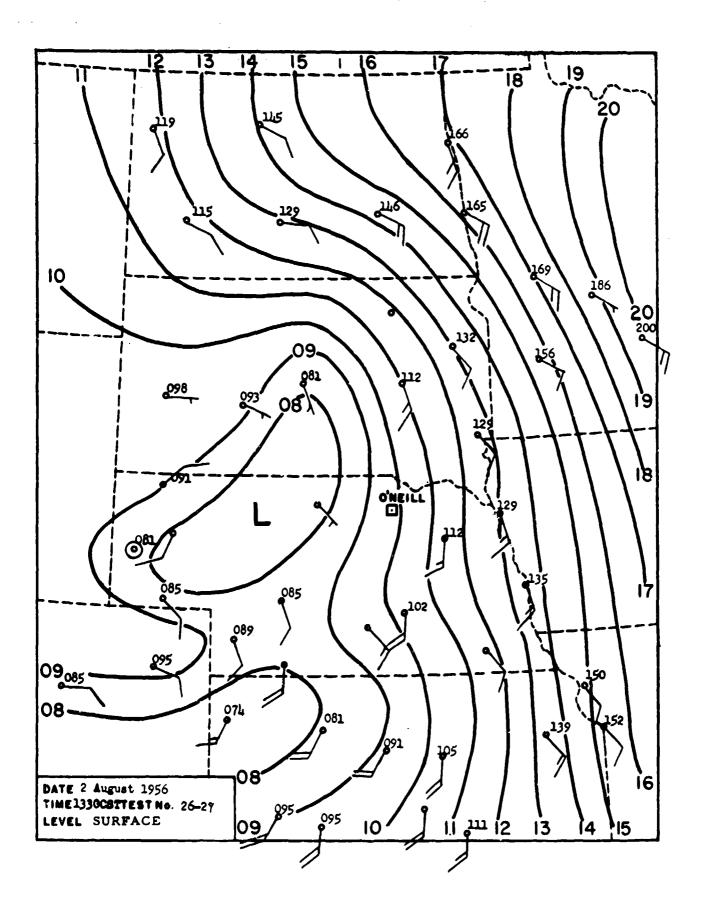
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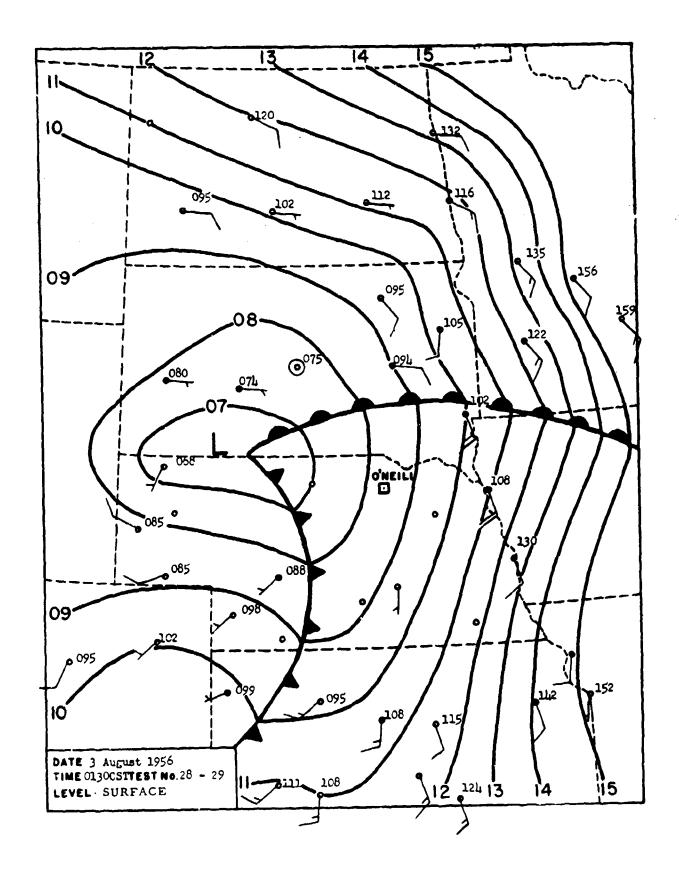


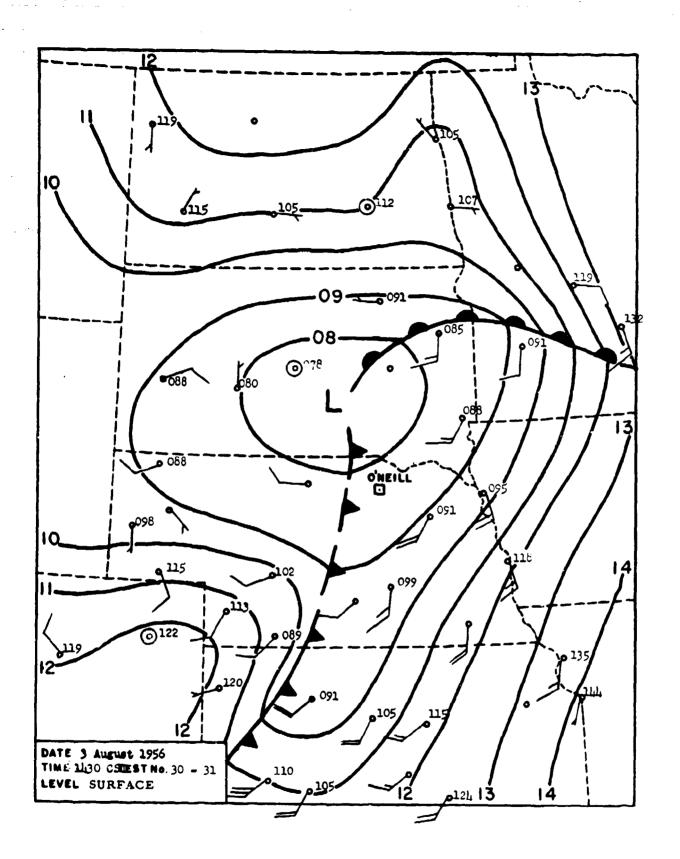


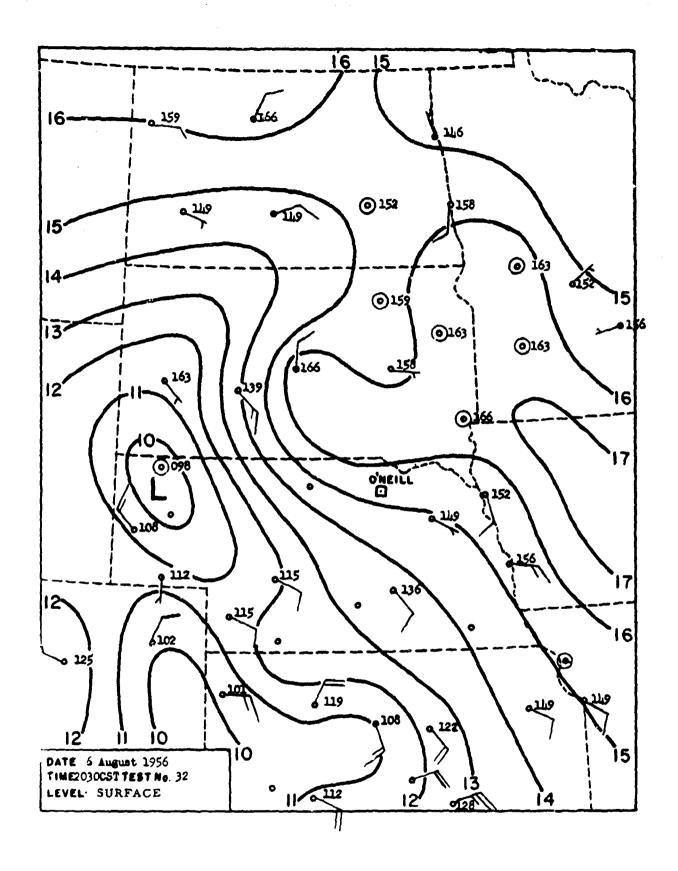


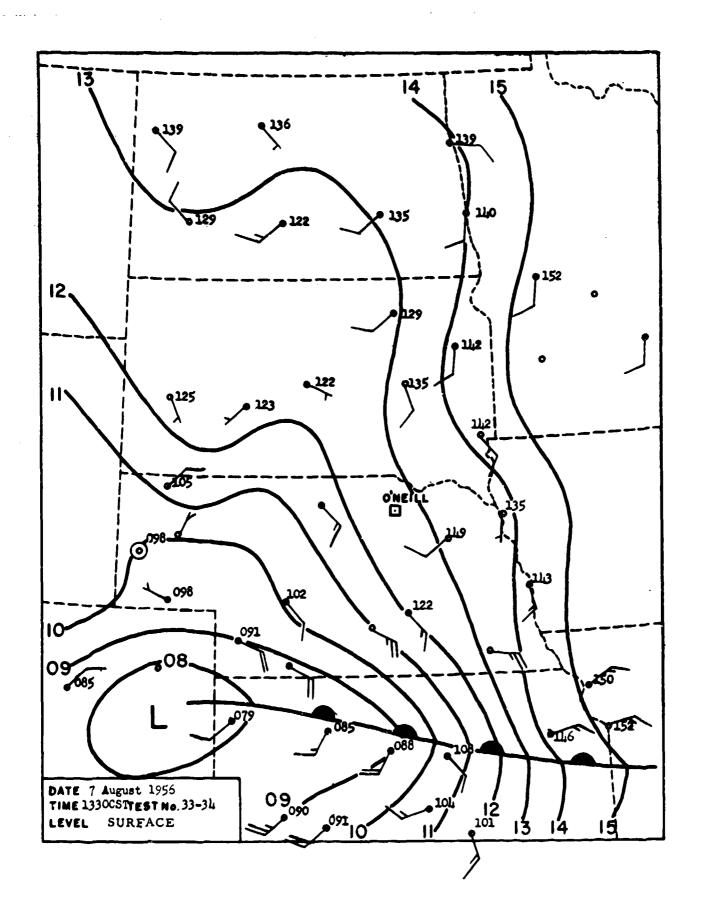


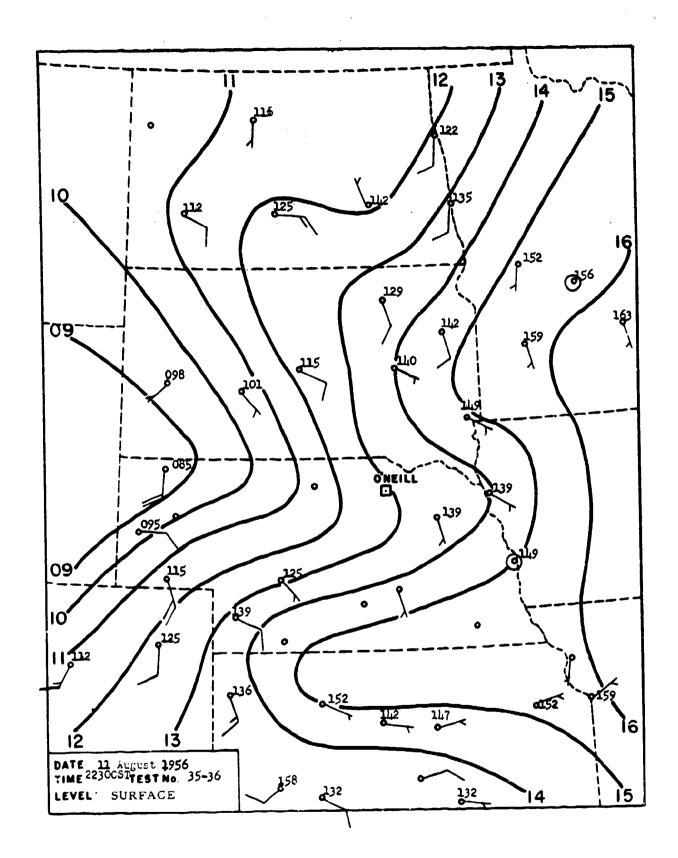


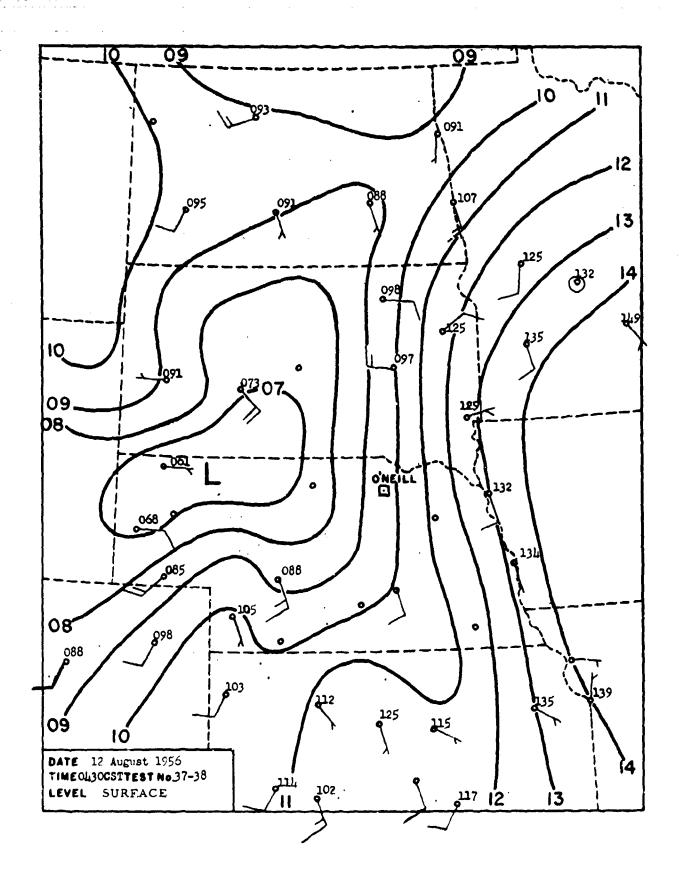


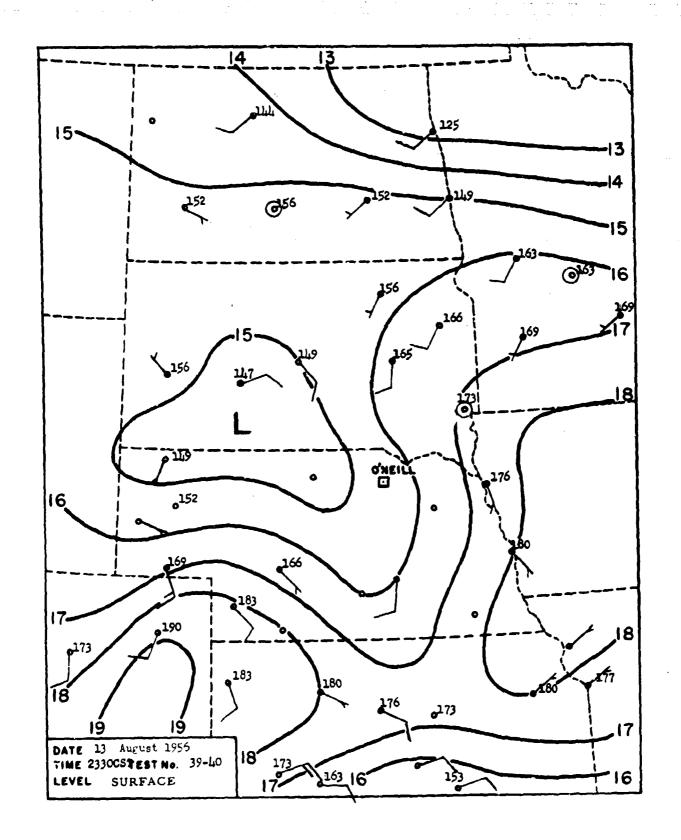


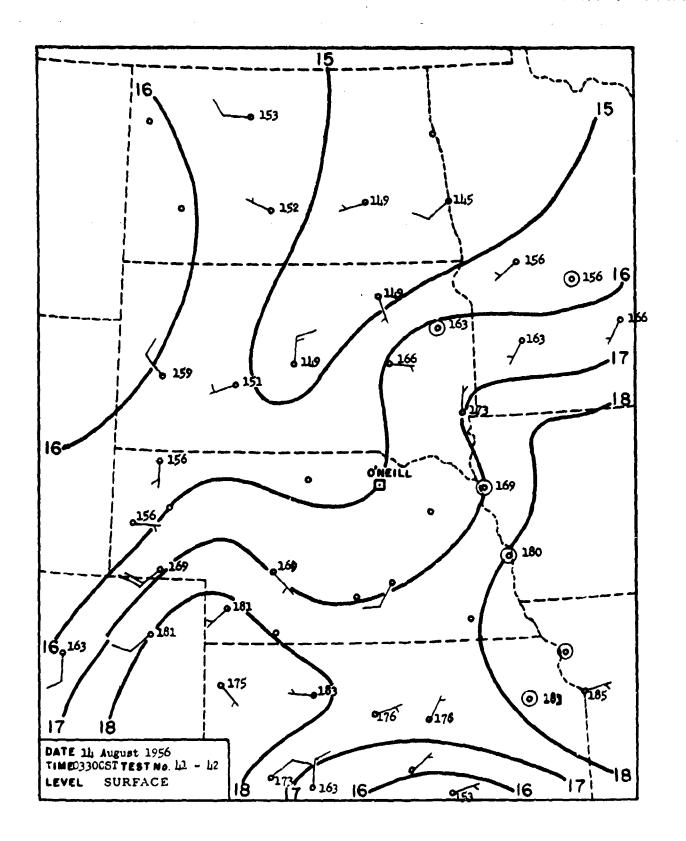


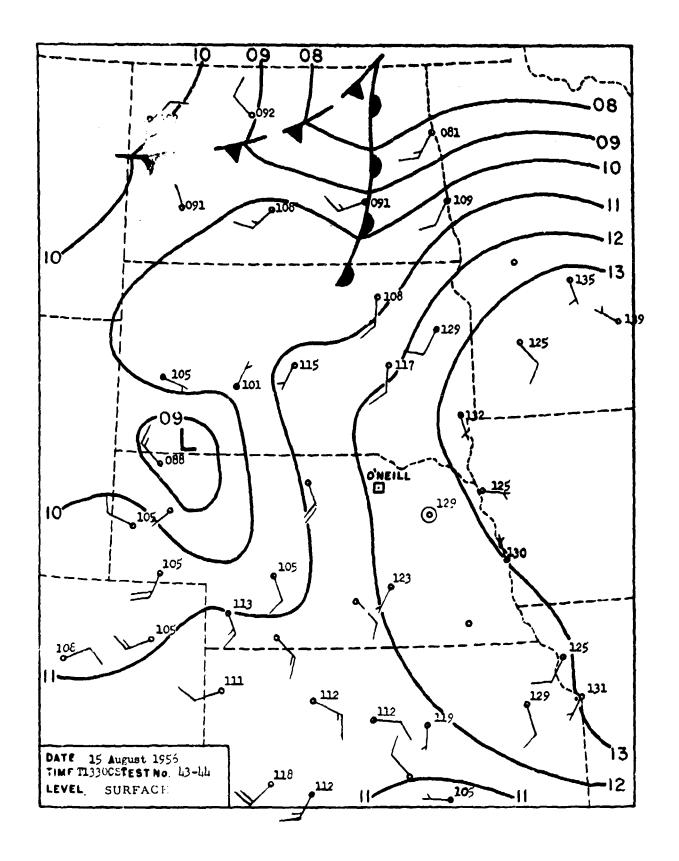


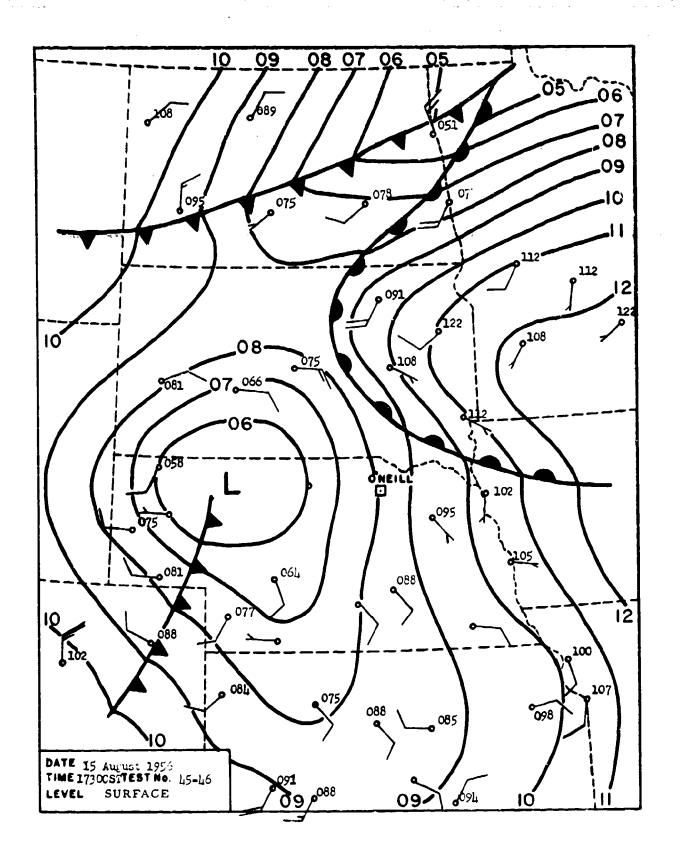


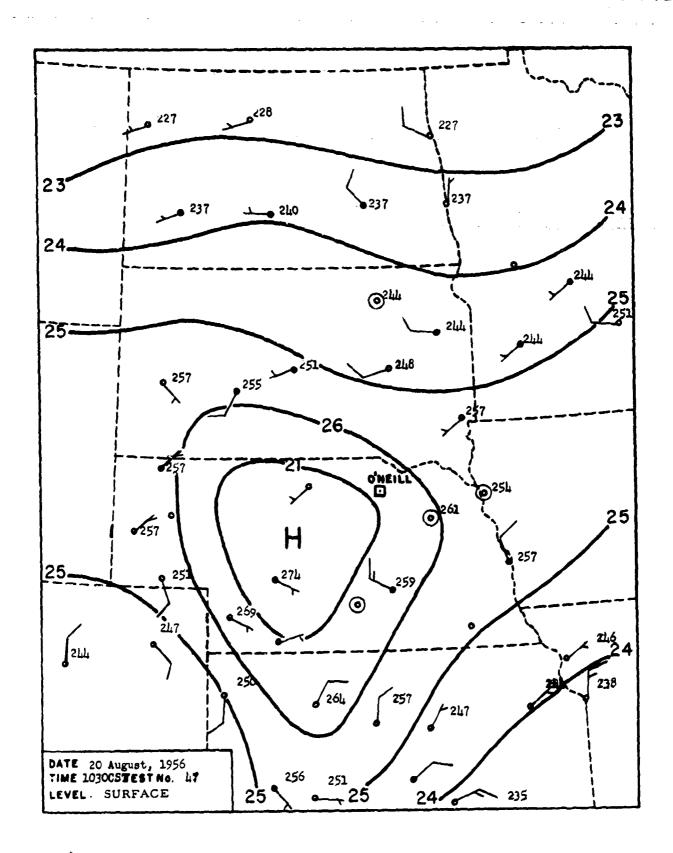


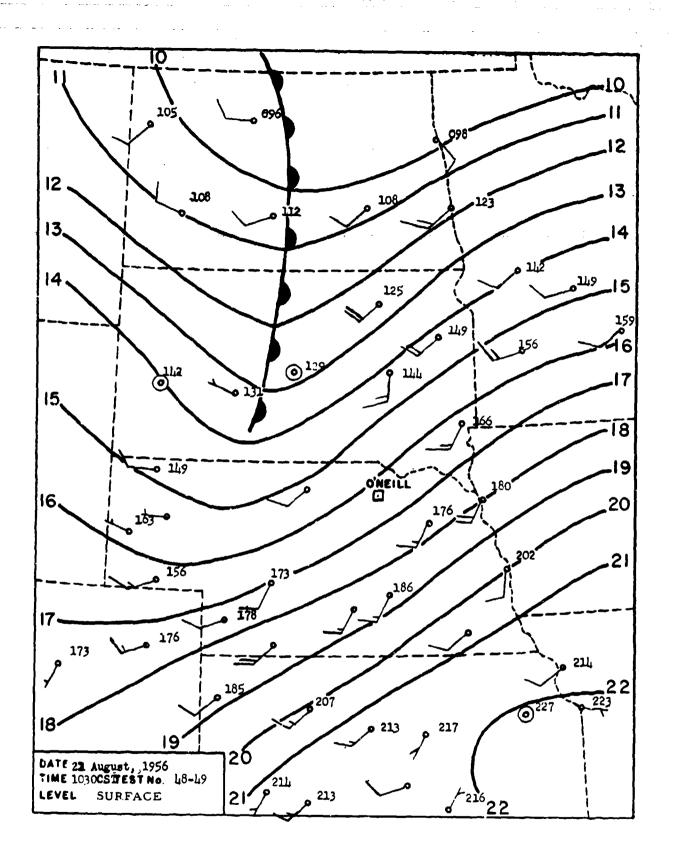




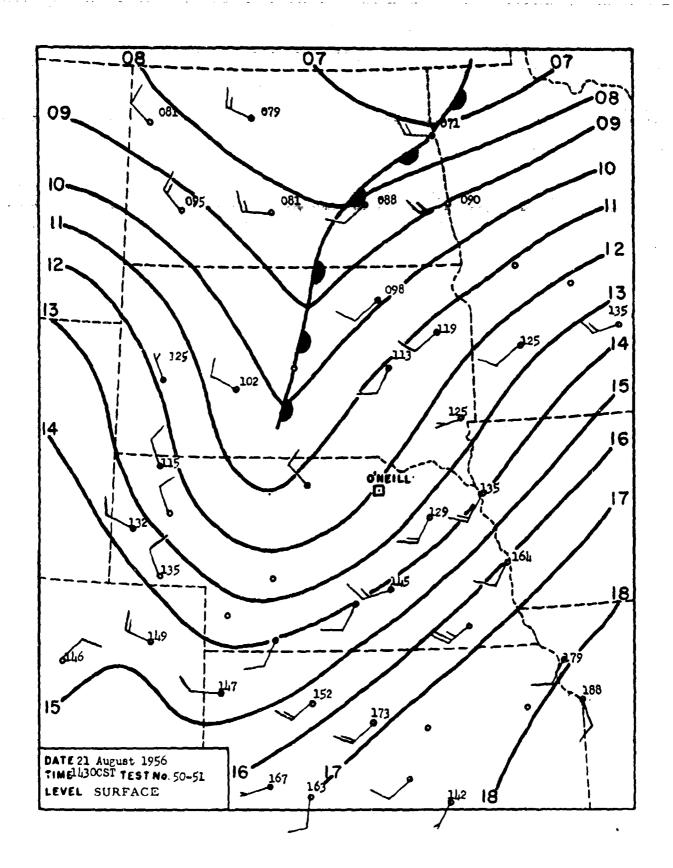


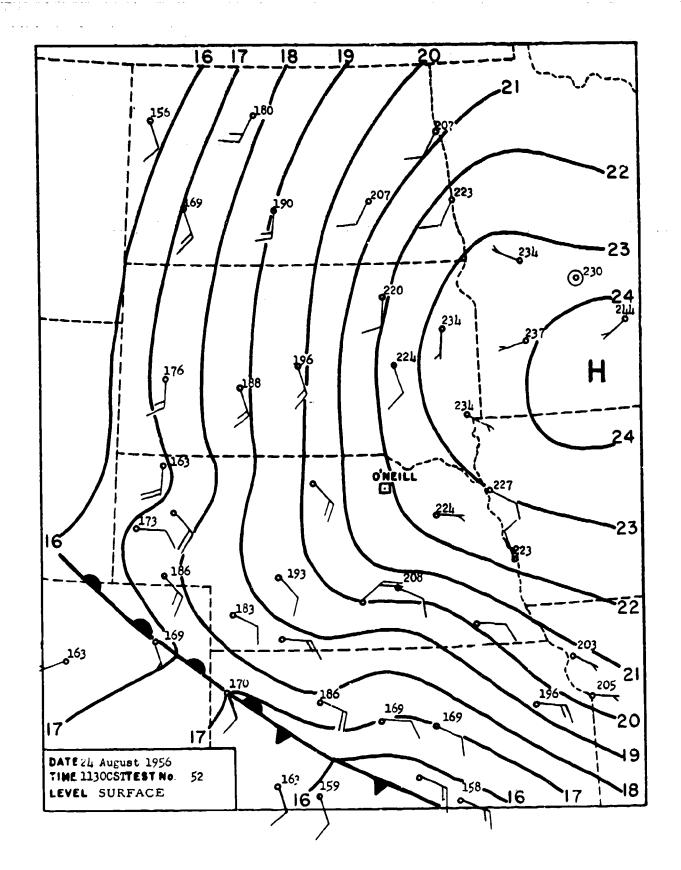


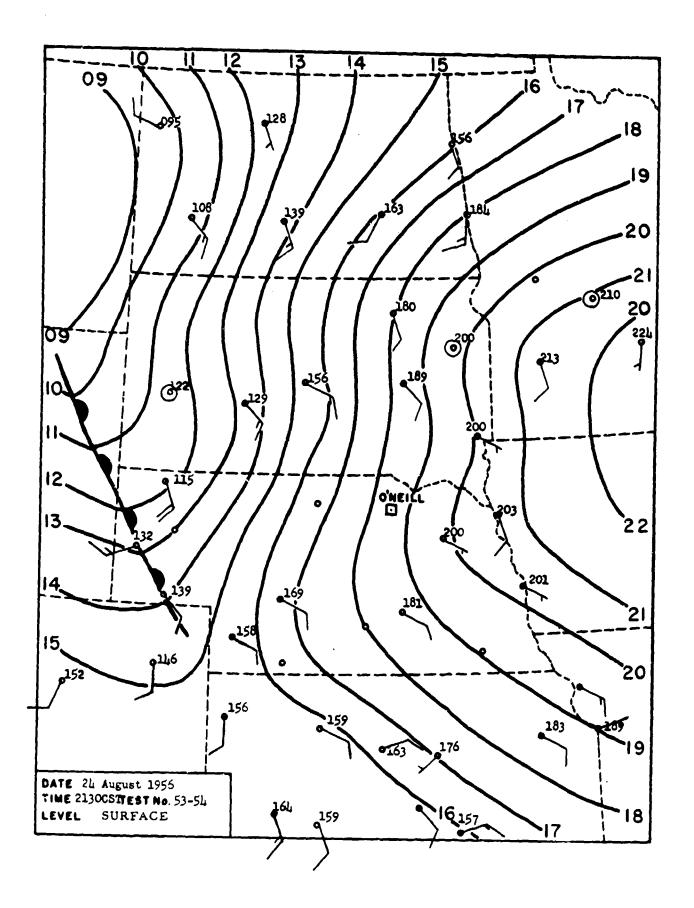




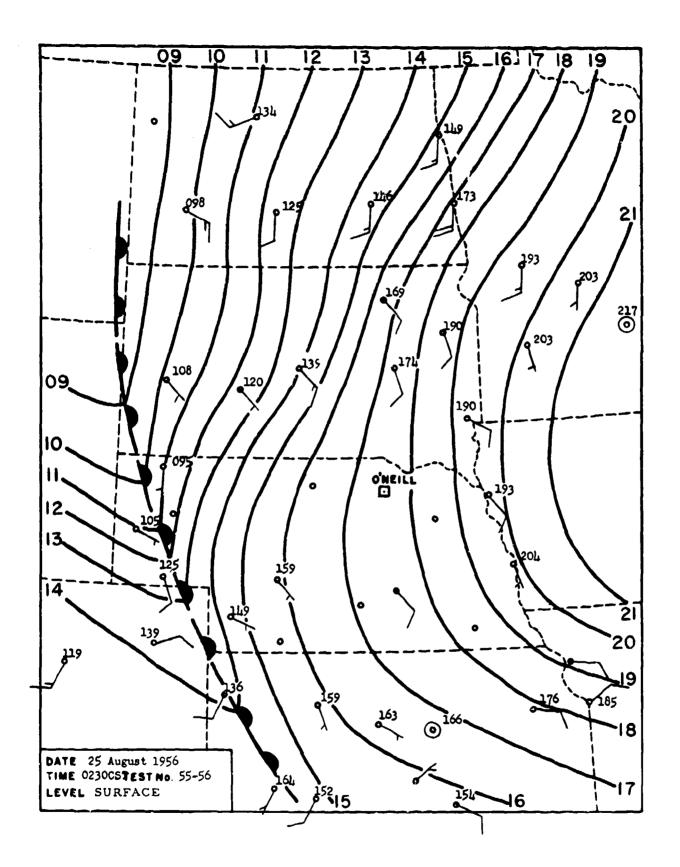
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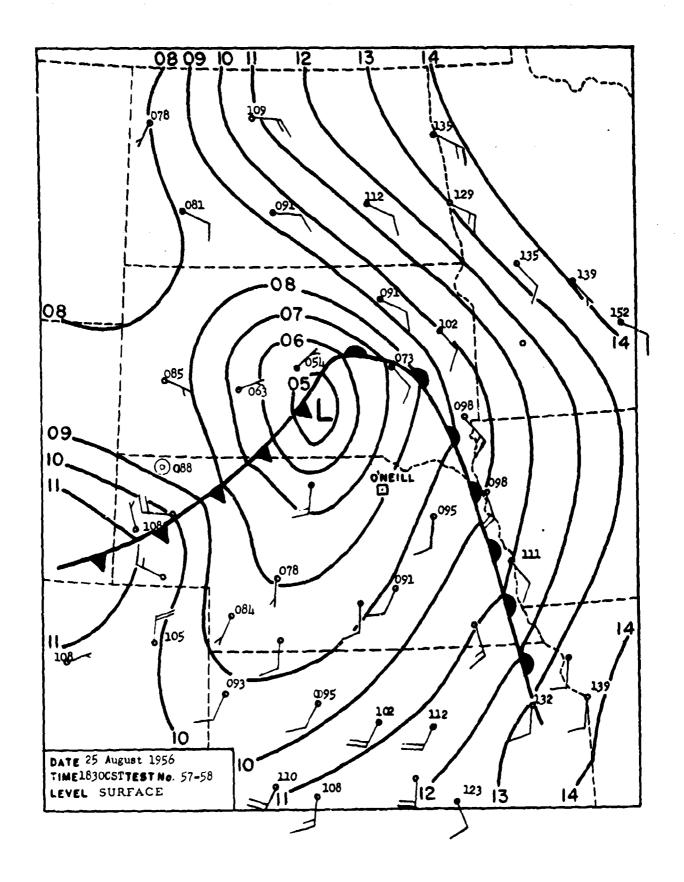


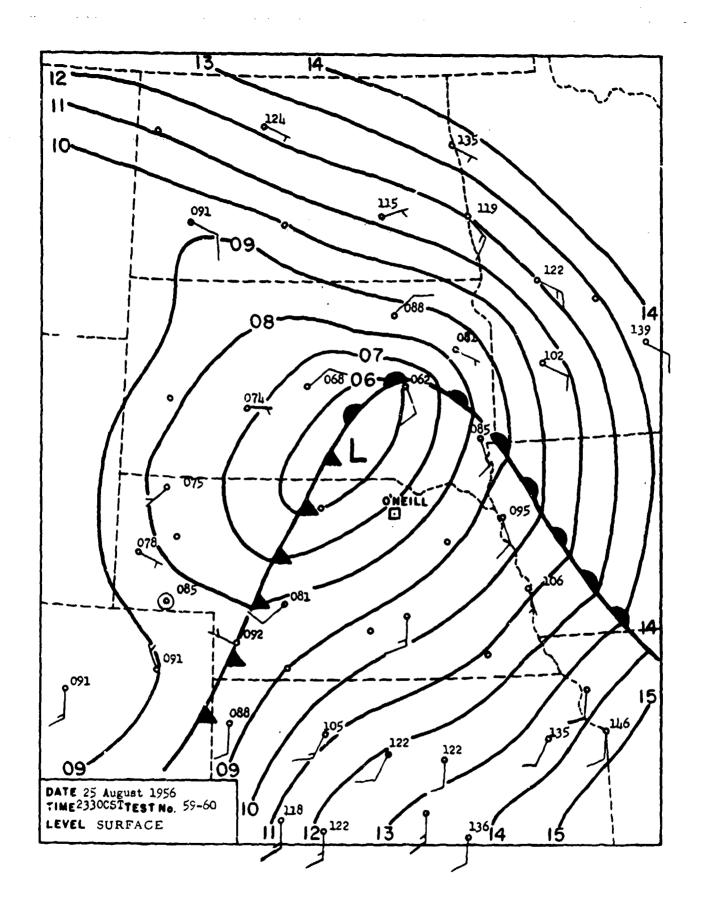


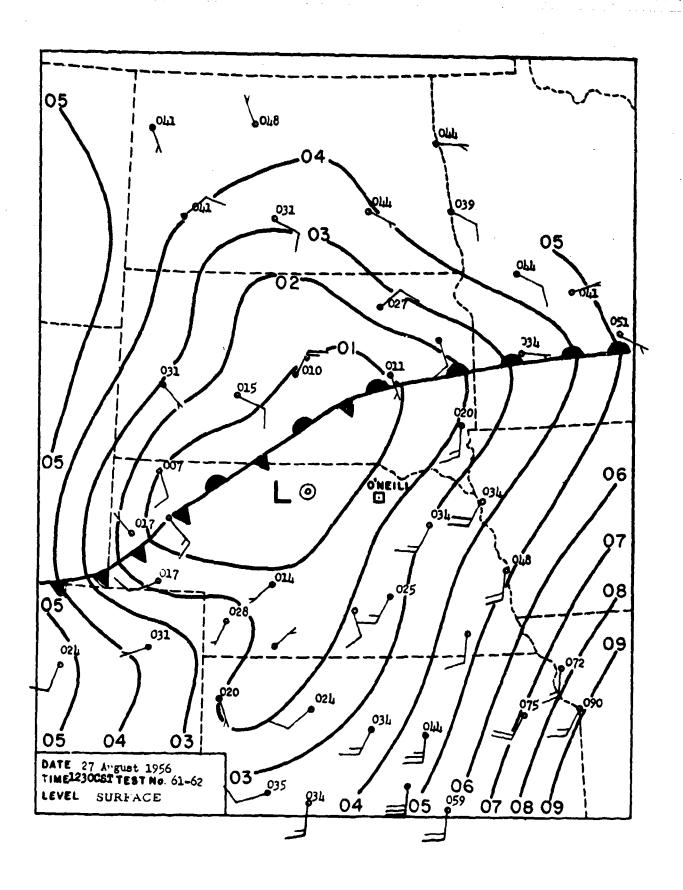
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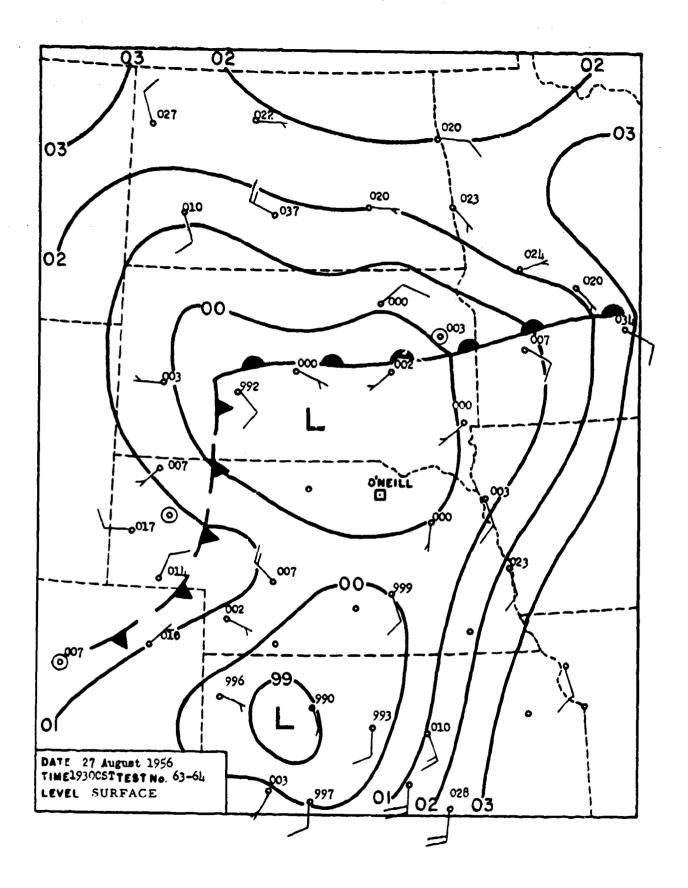
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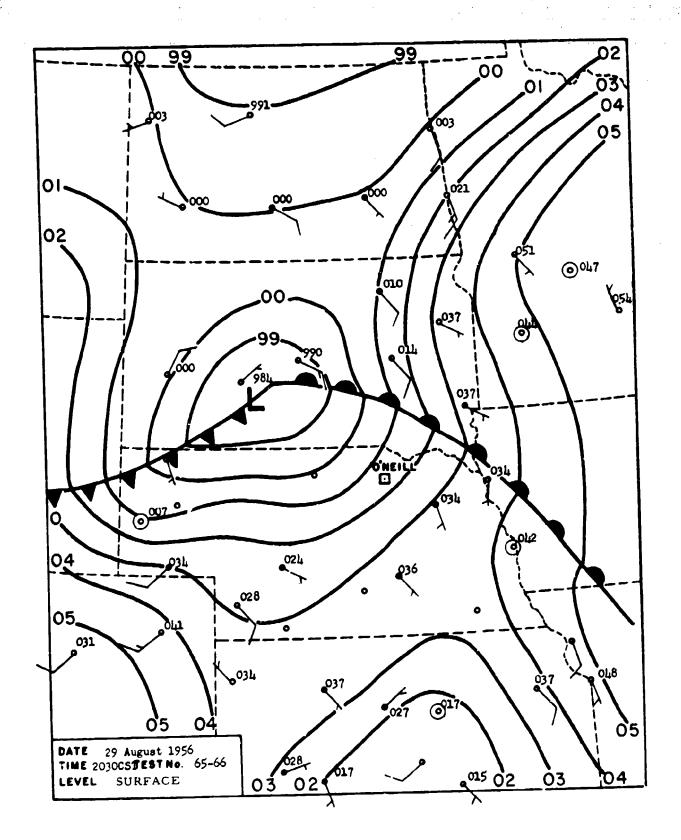


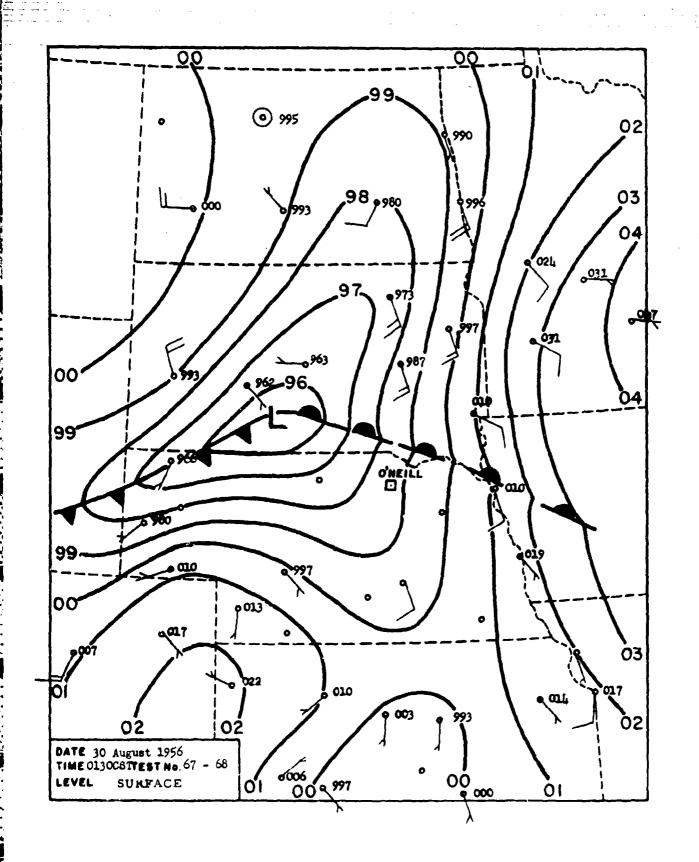




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CHAPTER 5

DIFFUSION MEASUREMENTS DURING PROJECT PRAIRIE GRASS

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5.1 Introduction

The diffusion measurements obtained during Project Prairie Grass comprise average or time-mean concentrations determined at selected points downwind from a continuous point source of sulfur-dioxide gas located near ground level. Sulfur dioxide is relatively inexpensive and readily available; the sampling technique is based on firmly established and extremely simple physical principles, and is capable of resolving minute concentrations of the order of 0.01 parts per million. The sampling network utilized midget impingers mounted at a height of 1.5 m along five semicircular, concentric arcs located within 800 m of the release-point. Limited vertical sampling was carried out along the 100-m arc by means of impingers mounted at 9 levels on 6 lightweight towers. Electrically-operated vacuum units suitably positioned within the sampling network provided aspiration for the impingers. During the diffusion experiments, air was drawn into the impingers through short sections of capillary tubing and bubbled through a dilute hydrogenperoxide solution. Sulfur dioxide present in the air samples combined with the hydrogen peroxide to form sulfuric acid. Average gas concentrations were determined from laboratory measurements of the electrical conductivity of the aspirated solutions.

Data are available for approximately 70 diffusion experiments carried out in a wide variety of weather conditions. Approximately half the data refer to unstable (daytime) thermal stratification and the remainder were obtained at night in the presence of temperature inversions. In the experiments, the sampling networks were put in operation just before the start of the gas release which lasted for 10 minutes; operation of the networks continued for several additional minutes after

the end of the gas release to permit the wind to transport the tracer beyond the 800-m arc. A detailed description of the apparatus and techniques used during the diffusion experiments is given below.

5.2 Generation of the Tracer

The basic features of the sulfur-dioxide generator are shown schematically in Figure 5.1 and a photograph of the field installation of the generating equipment is presented in Figure 5.2. Operation of the generator may be described as follows: Liquid sulfur dioxide from an inverted 150-lb cylinder was vaporized in a specially-constructed chamber immersed in 150 gallons of hot water contained in a large circular tank. Approximately 3×10^6 calories were required to vaporize the sulfur dioxide released during each experiment. This amount of heat must be supplied from an external source to maintain a constant rate of emission consistent with efficient source operation. Otherwise, the attendant rapid cooling of the gas-liquid interface produces excessive pressure decreases throughout the system and a consequent steady decrease in the rate of emission. The requisite heat transfer was facilitated by continuous circulation of the heated water in the large tank through a 100-ft coil of copper tubing placed inside the vaporization chamber: thermostatically-controlled immersion heaters rated at 10 kw maintained the water temperature at approximately 50°C. It was frequently necessary, during the latter part of the daytime gas releases, to add liquid sulfur dioxide to the vaporization chamber to maintain the required emission rate; electric strip heaters attached to the exterior of the inverted steel cylinder aided in effecting this transfer. From the vaporizer, the gas flowed through a pressure regulator and an adjustable valve controlling the flow rate into a large ironcase meter (American Meter Company Type 500B). Total output registered on a special indicating dial at the top of the meter case. The gas meter was adjusted at the factory to read about 1 percent low with an accuracy of + 0.5 percent. Pressure and temperature of the gas were measured both at the inlet and outlet

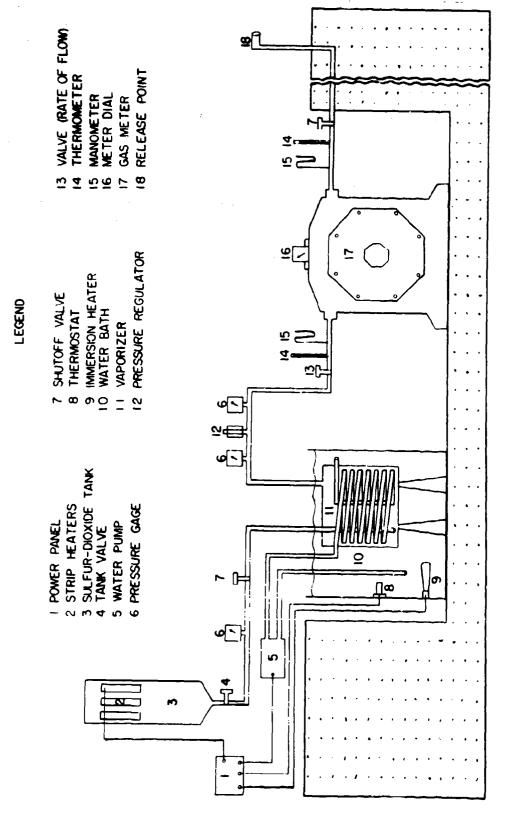


Figure 5.1 Schematic diagram of sulfur-dioxide generator.



Figure 5.2 Field installation of sulfur-dioxide generating apparatus.

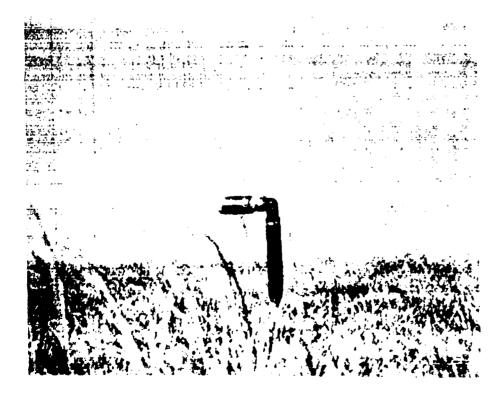


Figure 5.3 Release-point for the tracer.

of the meter to permit accurate reduction of the total amount of gas released to a source strength expressed in g sec⁻¹. As shown in Figure 5.2, the gas meter and the large water tank were set in a shallow trench to minimize the disturbance to the natural air flow immediately upwind from the release point for the sulfur-dioxide gas. The tracer was conducted from the meter outlet through a 50-m length of 2-inch plastic pipe buried just beneath the surface of the ground, and was released horizontally at a height of 46 centimeters. A photograph of the orifice is presented in Figure 5.3; the picture was taken prior to the start of the field experiments before the grass at the field site was mowed. In six experiments (Nos. 63-68), the height of the release point was adjusted to 1.5 m, the height of the samplers in the horizontal sampling network.

The rate of tracer emission was adjustable over a wide range; the maximum source strength of about 100 g sec⁻¹ was utilized during the daytime releases. Uniformity of the emission rate was checked during the releases by marking the passage of each 10 cu ft of gas through the meter on an Esterline-Angus recorder; a manually-operated switch activated a sidemarker pen that put a pip at the side of the moving chart roll. During all nighttime experiments and during most daytime experiments, observed variations in the emission rate were less than 5 percent. In a few daytime gas releases, the emission rate during the last minute of source operation was from 5 to 10 percent below the initial rate.

5.3 Description of the Sampling Network

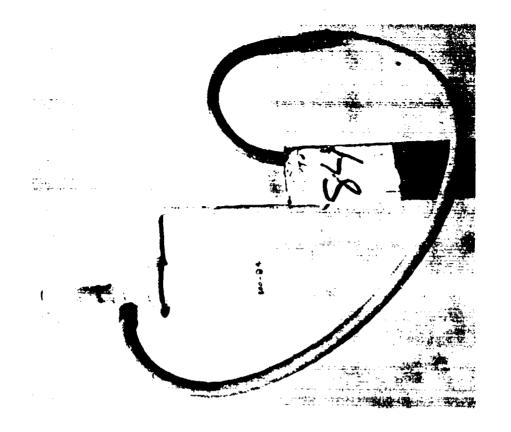
Average gas concentrations were determined at approximately six hundred individual sampling stations located within a semicircle of radius 800 m centered on the release point for the tracer. As shown in Figure 1.1, the base line of the horizontal sampling network was oriented along a true East-West line to take advantage of prevailing southerly winds. Midget impingers (Mine Safety Appliance Company) were mounted at a height of 1.5 m on steel fence posts located along five

semicircular arcs. The posts were spaced at intervals of 2 degrees along the 50-,100-,200-, and 400-m arcs; at 800 m, a separation interval of 1 degree was used. The posts for each arc were numbered consecutively, Post Number 1 being located at the intersection of the arc with the western limb of the base line (that is at a true angular bearing of 270 degrees from the release point). Details of the impinger installation are shown in Figures 5.4 and 5.5, and a view of part of the fence post array along the 100-m arc appears in Figure 5.7.

Each impinger contained 10 ml of dilute (slightly acidified) hydrogen peroxide solution. Use of capillaries (see Figure 5.5) reduced the variations in flow rate between impingers to within 1 or 2 percent; otherwise, variations of the order of 10 percent were frequently present. Each section of precision bore capillary tubing (inside diameter - 0.0252 ± 0.0003 in.; length - 1.330 to 1.335 in.) was tested individually in the laboratory with a standard impinger; only those sections that were within 1.5 percent of standard were selected for field use. Air thus drawn into the impingers passed down the central glass tubes and was broken into tiny bubbles as it impinged upon the bottom of the glass flasks. Sulfur dioxide present in the air reacted with the hydrogen peroxide to form sulfuric acid. The collection efficiency of the impingers, as indicated by laboratory tests described below, was greater than 97 percent for all the Prairie Grass experiments.

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Aspiration of the impingers was provided by 11 vacuum units (electric motor, pump, tank, vacuum regulator) apportioned as follows along the various arcs: one unit at 50 m; two units at 100 m (one for the vertical network described below), 200 m, and 400 m; and four units at 800 meters. One of the units used in field experiments is shown in Figure 5.6. The 1/3-hp motor, pump, and tank are sold commercially for use with farm milking machines (Sears Roebuck and Company); the diaphragm-type regulator (Fisher Governor Company Type 734A), seen at the extreme left of the photograph, maintained the line vacuum within 1 to 2 percent of the desired value during the 10-minute sampling period.



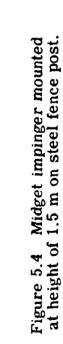


Figure 5.5 Close-up of midget impinger in operation.

A visual check on the line vacuum was provided by a mercury manometer mounted on a steel fence post. Heavy-wall rubber hose was attached to the inlets of the vacuum tanks (see Figure 5.6) and laid on the ground along the arcs of the sampling network. Copper tubing was inserted in the hose at each sampling station and fastened to the steel fence posts (see Figure 5.4). The impingers were set in ring holders attached to the tops of the posts and connected to the vacuum line by short lengths of gum rubber tubing (see Figure 5.5). An aspiration rate of 1.0 liter min⁻¹ was used at 50 and 100 m; this required a line vacuum of 51 mm of mercury. A somewhat higher aspiration rate (1.5 liter min⁻¹, requiring a line vacuum of 100 mm of mercury) was used at the other arcs to compensate in part for the expected decrease in concentration with travel distance. The maximum drop in line vacuum along the longest sections of rubber hose was about 4 percent; this is equivalent to a reduction of about 2 percent in the rate of aspiration. Operation of the vacuum-pump motors was controlled from a central switchboard located along the centerline of the sampling network at a travel distance of about 450 m from the release point. Line vacuums were checked and necessary adjustments made just before the start of each diffusion experiment.

vertical from midget impingers mounted at nine levels on each of six towers located along the 100-m arc. The lightweight television-type towers (Alprodco, Inc.) were spaced at intervals of 14 degrees and were positioned symmetrically with respect to the center line of the horizontal sampling network. A photograph of the tower array appears in Figure 5.7. The towers were constructed of aluminum alloy with triangular cross sections measuring 8-1/2 inches on a side; each tower rested on a small cement base and was supported at three levels by 3/16-inch stranded-steel guy wires. The technique for installing the impingers on the towers is illustrated in Figure 5.8. Heavy rubber hose similar to that used in the horizontal network was

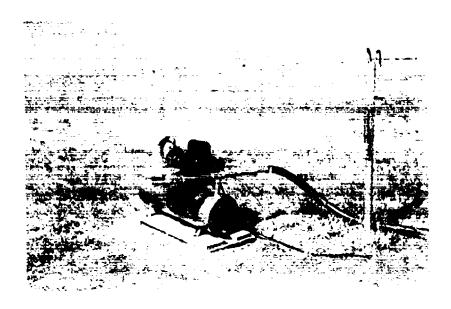


Figure 5.6 Vacuum unit used to aspirate midget impingers; mercury manometer indicating line vacuum is mounted on steel post.

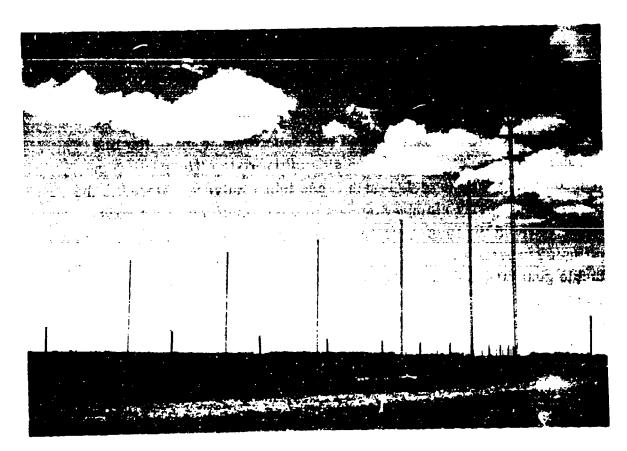


Figure 5.7 Tower array at 100-m arc.



Figure 5.8 Close-up of impinger installation on tower

fitted with short lengths of solid brass rod (5/8 in. in diameter); a portion of the interior of each rod was drilled out to make the line vacuum available at a port on the side of the rods. The ports comprised short sections of 1/4-inch brass tubing silver-soldered to the brass rods. Spring clamps fastened to the ends of the brass rods served to hold the impingers securely in place. Prior to the start of a diffusion experiment, the rubber hose was raised by simple block and tackle gear; the ascent of the hose was guided by sections of aluminum track fastened to the sides of the towers and slotted to permit passage of the brass rods (see Figure 5.8). Impingers were inserted in the spring clamps and gum rubber tubing used to connect the impinger outlets to the line-vacuum ports. At the conclusion of the experiment, the rubber hose was lowered and the impingers removed for transport

to the laboratory and subsequent analysis. The rope used to raise and lower the vertical sampling apparatus appears at the extreme right of Figure 5.8. This simple technique worked very satisfactorily. A single vacuum unit located at the center of the 100-m arc provided aspiration for the impingers on the 6 towers. Concentrations were determined at 9 levels on each tower: 0.5, 1.0, 1.5, 2.5, 4.5, 7.5, 10.5, 13.5, and 17.5 meters.

5.4 Laboratory Procedure

The successful execution of the diffusion experiments depended in large measure upon careful analytic procedure and high standards of cleanliness. Any contamination of the impinger solutions seriously impaired the high degree of resolution otherwise obtainable in the measurements. A special laboratory building was erected at the field site to provide storage space for the impingers and auxiliary apparatus, as well as working space for analysis of the aspirated solutions. The building was of double-wall plywood construction, fully insulated, and painted white on the exterior to minimize the absorption of solar radiation. Incursions of dust were largely eliminated through the use of sealed windows and a single entrance on the north side of the building, sheltered from the prevailing southerly winds. An exterior view of the laboratory building appears in Figure 5.9. Suitable temperatures were maintained within the laboratory building by two air conditioners.

Diffusion experiments were scheduled in pairs, each experiment requiring the use of 599 impingers. The impingers were filled by means of pipettes that automatically metered 10 ml of solution. The filling operation is shown in Figure 5.10; the wire basket appearing in the figure contains approximately 50 impingers. After the impingers were filled with hydrogen-peroxide solution, the baskets were stored on shelves in the laboratory (see Figure 5.11) until the field crew took them to the sampling network. Much of the work of installing the impingers within the network and returning the samplers to the laboratory was performed by 12 high-school age boys from O'Neill, Nebraska.



Figure 5.11 Shelves for storage of impinger baskets.



Figure 5.10 Filling impingers with solution.

Exterior of laboratory.

Figure 5.9

The following precautions were taken to avoid any mixup in the impingers: All baskets were clearly labeled with respect to the appropriate arc and the spaces for individual impingers were numbered according to the posts of the horizontal sampling network; the impingers in each



Figure 5.12 Analysis team determining conductance of aspirated solutions

basket were similarly labeled. There were two complete sets of impingers; the baskets of one set were painted blue and those of the second set were painted red. Only one set was ever permitted to leave the laboratory during preparations for a gas release. The impingers for the vertical sampling network were placed in separate baskets and clearly labeled. The field crew left the sampling network area after the impingers had been installed and waited for the conclusion of the experiment. Then, after the tracer had cleared the networks and the meteorological measurements were ended, the field crew collected the impingers and returned the baskets to the laboratory for analysis.

The analysis consisted of measuring the electrical conductance of the aspirated solutions using conductivity cells and Wheatstone bridges. The impinger baskets were placed one at a time in a constant-temperature water bath. When the bath temperature reached the prescribed value, the conductance of the solution in each impinger was measured. An analysis team is shown in Figure 5.12; the man standing has removed the top of the impinger assembly and inserted the dip-type conductivity cell into the solution; the man seated is reading the resistance on a Wheatstone bridge. This equipment was duplicated at

the other end of the laboratory. When all the conductances had been determined and checked for accuracy, the impingers were emptied, rinsed, and refilled with solution in preparation for the next experiment. After the laboratory and field crews had become proficient, it was possible to conduct four diffusion experiments within an 8-hour period.

Reduction of the electrical conductivities to gas concentrations is based on well-known laboratory procedures.* Calibration curves may be obtained directly by determining the conductance of sulfuric acid solutions of known normality. Equivalent conductance for these solutions is tabulated in standard reference books for a wide range of normality and temperature. The relationship between the specific conductance of a solution at a temperature of 27°C and the normality of the solution is shown in Figure 5.13. The scale at the right of the figure expresses normality in terms of milligrams of sulfur dioxide per cubic meter of air for 10 ml of absorbing solution and a sample volume of air of 15 liters. The reference level for zero concentration was obtained from the average conductance of aspirated solutions contained in impingers that were clearly in sectors of the sampling network outside the limits of the gas plume. The uncertainty in the laboratory technique for determining conductance is less than 2 percent within the normal range of concentrations.

5.5 Collection Efficiency of the Midget Impingers

The apparatus shown in Figure 5.14 was used to determine collection efficiencies of the midget impingers in the laboratory. Sulfurdioxide gas and air were metered into the vertical pipe at the left and entered the large mixing tank; the mixture was removed from the tank and drawn through the pipe and rubber hose shown at the right of the photograph by an exhauster located outside the laboratory building. Both the amount of air and sulfur dioxide were adjustable over a

^{*}For a previous application of this method see: Dean, R. S., and others, 1944: Report submitted to the Trail Arbitral Tribunal. <u>Bull. U. S.</u> <u>Bureau of Mines</u>, No. 453.

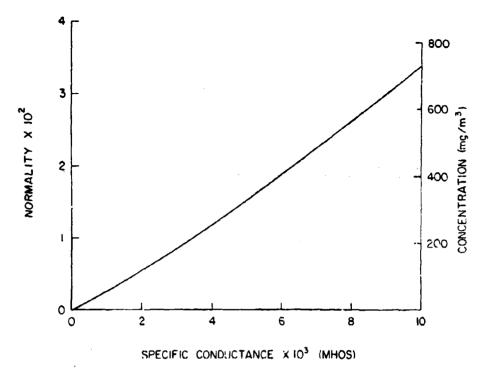


Figure 5.13 Calibration curve showing specific conductance as function of normality and concentration.

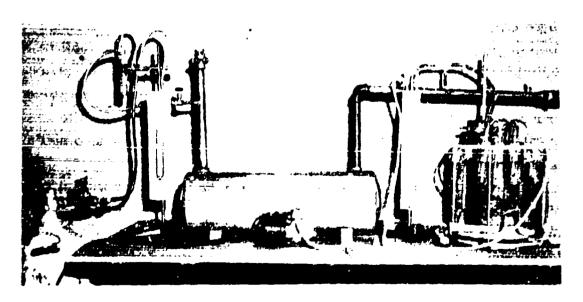


Figure 5.14 Apparatus for determining collection efficiency of midget impingers.

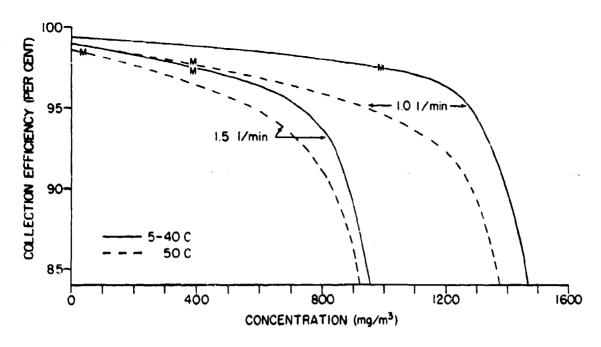


Figure 5.15 Collection efficiencies of midget impingers used in Prairie Grass diffusion experiments

wide range. The mixture was sampled through ports in the exit pipe in the following manner: The small vacuum pump in the foreground drew the mixture at a predetermined rate (1.0 or 1.5 liter min⁻¹) through four impingers connected in series by non-absorbing plastic tubing. Samples were obtained over 1-minute periods at levels of concentration approximately 10 times larger than those encountered in the field experiments. This procedure was intended to compensate for the meandering of the gas plume during field experiments produced by the larger-scale fluctuations in azimuth wind direction; in effect, the gas plume is present at an individual sampling station for only a fraction of the 10-minute sampling time. The significance of solution temperature on the measurement technique was investigated by immersing the four impingers in a water bath; the bath temperature was then varied over the range from 5° to 50°C. Conductivity measurements of the solutions in the four impingers provided concentration data used in calculating the collection efficiencies presented in Figure 5.15.

The results are directly applicable to the Project Prairie Grass diffusion experiments; the concentrations plotted in Figure 5.15 are adjusted for the 10-minute sampling periods of the field experiments (that is they are 1/10 the values determined from the laboratory tests described above). Maximum 10-minute concentrations measured during the Prairie Grass experiments are indicated in the figure by the symbol M. The data indicate that the collection efficiencies during Prairie Grass were greater than 97 percent in all cases. The sharp decrease in collection efficiency with increasing concentration exhibited by the curves is associated with the removal of hydrogen peroxide from the solution; the concentration at which this occurs can be altered by changing the amount of hydrogen peroxide in the solution. The solution used during Prairie Grass, and in the laboratory experiments for determining the collection efficiency, was prepared by adding 50 ml of 30 percent hydrogen peroxide and 10 ml of 1/10 normal sulfuric acid to 18 liters of distilled water. The solution's temperature appears to have no significant effect on collection efficiency for temperatures within the 5° to 40°C range; for temperatures of 50°C, the collection efficiency is somewhat reduced as indicated by the dashed lines in Figure 5.15.

5.6 Discussion of the Reliability of the Concentration Measurements

As pointed out, above, determining time-mean gas concentrations involves a relatively large number of individual measurement techniques and pieces of equipment. With few exceptions, the uncertainties associated with these individual procedures are all within the range of from 1 to 2 percent. It is also evident that many, if not most, of these uncertainties are probably random and tend largely to compensate one another. The accuracy of the determination of average source strength for individual gas releases depends principally upon the reliability of the gas meter and on the representativeness of the temperature measurements obtained, during the releases, at the inlet and outlet of the meter.

In calculating the weight of gas released, arithmetic means of the

inlet and outlet measurements were used. For the nighttime gas releases, there is no significant difference between the two sets of data. During the daytime releases, the inlet temperature is frequently 10° to 12°C lower than the outlet temperature. In these cases, use of the average temperature might lead to uncertainties of the order of 1 to 2 percent in the calculated source strength. Changes in ambient air temperature have only a slight effect on the mechanical parts of the gas meter: the manufacturer states that the temperature coefficient for the displacement mechanism is approximately 0.05 percent per degree Fahrenheit. Over the range of temperatures encountered during the experiments, this would result in an uncertainty of about 1 percent. Duration of the gas release was controlled within limits of 1 to 2 percent. Residual sulfur dioxide remaining in the plastic pipe used to conduct the tracer from the meter to the release-point constitutes approximately 1 percent of the total volume released during nighttime experiments and about 0.5 percent of the total volume released during the daytime experiments. This appears to be a negligible source of error. The adjustment in the gas meter at the factory, resulting in dial readings approximately 1 percent too low, is offset very nicely by the collection efficiency of the impingers which averages approximately 99 percent.

Possible sources of error in the collection of gas samples exist principally in variations in the rate of aspiration and loss of solution due to evaporation. As mentioned above, laboratory tests of individual impingers and capillaries limited the variation in flow rate under standard vacuum to a range of 1 to 2 percent. In field use, line vacuum depended upon the initial adjustment based on mercury manometer readings, the sensitivity of the vacuum regulators, and the line drop along the arcs. Each of these factors contains an uncertainty of about 1 to 2 percent with respect to the aspiration rate. All concentrations were calculated on the assumption that the volume of absorbing solution in the impingers remained unchanged during the experiments. There is

actually a small reduction in volume due to loss of water vapor during aspiration. Similar loss of sulfuric acid is considered insignificant in view of its very low vapor pressure.

The water vapor loss may be estimated in two ways. The amount of water vapor required to saturate the entrained air may be calculated from a knowledge of the aspiration rate, air temperature, relative humidity, and the duration of the sampling period. The latter comprises both the actual operation time of the sampling networks during each gas release and the time required to check the line vacuum prior to the start of each release. No records were kept of the total aeration time which varied from experiment to experiment and from one arc to another. However, a period of about 18 to 30 minutes was usually required. Calculations based on the maximum aeration time of 30 minutes and an aspiration rate of 1.0 liter min⁻¹ indicate, for the nighttime experiments, a median error of 2 percent and an extreme range from 0.6 to 5.0 percent. Similar calculations for the daytime experiments indicate a median error of 5.5 percent with an extreme range from 2 to 10 percent. Loss of solution by evaporation may also be estimated from differences in the conductance of aspirated solutions in impingers located outside the limits of the time-mean gas plume and the conductance of unaspirated solutions in spare impingers. These data are available for practically all the experiments and permit calculation of correction factors at each travel distance.

The principal source of uncertainty in this method is the presence of background contaminants that may affect the conductance of the aspirated solutions; it appears that this factor is generally quite small and probably does not account for more than a 1 or 2 percent variation in conductance. Approximate correction factors based on conductances are presented in Table 5.4; the results indicate a median error of 3 to 5 percent for the nighttime experiments and of 6 to 9 percent for the daytime experiments. The lower estimates refer to the concentration measurements at 50 and 100 m, and the higher estimates refer to the

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remaining travel distances and reflect principally the difference in rates of aspiration discussed above.

The laboratory analysis of the aspirated solutions was performed in the following manner: Baskets containing about fifty impingers were placed one at a time in the water baths. When the proper bath temperature had been attained, a dip-type conductivity cell was inserted in one impinger and the conductance determined. Then the cell was removed. excess solution was shaken off, and the cell was inserted in the next impinger, and the process repeated. This procedure entailed a slight carry-over of solution from one impinger to the next. The usual practice involved determination of conductances from one edge of the plume to a point slightly beyond the peak concentration; the analysis then continued from the other edge of the plume towards the peak. The reduction in concentration produced by the carry-over and subsequent dilution of solutions is estimated to be from 0 to 1 percent. The Wheatstone bridge had an uncertainty of about 1 percent. Errors due to the original adjustment of the conductivity cells and to changes in cell constants are believed to be about 1 or 2 percent. A change of about 7 percent was noted in the constant of one conductivity cell during the period of the experiments; conductances determined with this cell were subsequently adjusted. Electrolytic solutions have temperature coefficients of resistance of about 2 percent per degree Centigrade; since the water bath temperature was maintained constant within 0.1°C, variations in solution temperature may be neglected as a possible source of error.

Reduction of the electrical conductivities of the aspirated solutions to concentrations was based on results of laboratory determinations of the specific conductance of sulfuric acid solutions of known normality. The values thus obtained are in substantial agreement with those derived from published data. The calibration curves used in reducing the measured conductances are believed accurate to about \pm 3 percent. The reference level for zero concentration was obtained from the arithmetic mean of the conductances of aspirated solutions contained in

impingers located outside the limits of the time-mean gas plume. In general, this concentration level is almost entirely due to the small amount of sulfuric acid added in preparing the dilute hydrogen-peroxide solution. It does not, therefore, indicate the presence of any significant amount of sulfur-dioxide in the atmosphere at the Prairie Grass field site. As the limit of resolution of the sampling technique is approached, the uncertainty of determination increases rapidly; for concentrations less than 0.10 mg m⁻³, this uncertainty is approximately 25 percent.

Approximate checks on the reliability of the concentration measurements were obtained by comparing the calculated source strengths with the mass transport of sulfur-dioxide gas through a vertical cross section at a travel distance of 100 meters. This is the only distance at which vertical concentration data are available. The results indicate that the estimates for the mass transport are about 10 percent higher. on the average, than the calculated source strengths for the nighttime experiments; a similar average discrepancy of about 15 percent is noted in the case of the daytime experiments. Roughly one-third of these differences can be explained by the loss of solution due to evaporation; the remainder may be due in part to undetected systematic errors in the sampling technique, to overestimates of the mean wind speed, and to errors inherent in the method of computing the mass transport. At any rate, there is no evidence of any significant loss of sulfur dioxide due to absorption by vegetation or any other factor. It appears likely that the absolute magnitudes of the Prairie Grass diffusion measurements are accurate to within 10 percent and that the relative concentrations are accurate to within 5 percent.

Summaries of the results of the Prairie Grass diffusion measurements are presented in Tables 5.1 to 5.3. Table 5.1 summarizes the source strengths for the individual experiments calculated on the basis of the total volumes of gas released and the temperature and pressure of the gas as it passed through the meter. Ten-minute average gas concentrations measured at a height of 1.5 m at five travel

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distances are summarized in Table 5.2. The average concentrations determined from the vertical sampling array at 100 m are presented in Table 5.3. Slow-response meteorological data, useful in converting the concentrations to standard values, are found in Tables 5.4 and 5.5.

Table 5.1. Source strengths Q expressed in g sec⁻¹ for individual Prairie Grass diffusion experiments

Run No.	Q(g sec ⁻¹)	Run No.	Q (g sec ⁻¹)	Run No.	Q(g sec ⁻¹)
1	81.5	24	41.2	46	99.7
2	83.9	25	101.4	47	103.1
3	56.3	26	97.6	48S	104.0
1 2 3 4 5 6 7 8 9	50.5	27	98.8	48	104.1
5	77.8	28	41.7	49	102.0
6	89.5	29	41.5	50	102.8
7	89.9	30	98.4	51	102.4
8	91.1	31	96.0	52	104.0
9	92.0	32	41.4	53	45.2
10	92.1	33	94.7	54	43.4
11	95.9	34	97.4	55	45.3
12	99.1	35S	41.8	56	45.9
13	61.1	35	38.8	57	101.5
14	49.1	36	40.0	58	40.5
15	95.5	37	40.3	59	40.2
15 16	93.0	38	45.4	60	38.5
17	56.5	39	40.7	61	102.1
18 19	57.6	40	40.5	" 62	102.1
19	101.8	41	39.9	65	44.1
20	101.2	42	56.4	66	43.1
21	50.9	43	98.9	67	45.0
22	48.4	44	100.7	68	42.8
23	40.9	45	100.8		

Table 5.2

Ten-minute average gas concentrations measured during Project Prairie Grass at a height of 1.5 m at five travel distances: 50, 100, 200, 400, and 800 m. Entries are in units of mg m⁻³. Individual sampling stations at each travel distance are identified in terms of post numbers which are consecutive; Post No. 1 is located due west of the release-point (that is, at a true angular bearing of 270 degrees from the source). A 2-degree angular separation between adjacent stations was used at the four shorter travel distances and a 1-degree angular separation was used at 800 m.

Remarks

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No data are presented for Runs No. 63 and 64 due to the presence of extremely light and variable winds. Data for all other experiments have been included. The measurements obtained under stable night-time conditions should be interpreted with care. In particular, when the wind speed at a height of 2 m is < 2 m sec⁻¹, significant vertical stratification may occur in the plume; in some cases, the plume axis is found below the height of the sampling stations at the shorter travel distances. If this phenomenon is not taken into account, the measurements indicate an increase in axial concentration with increasing travel distance. The vertical concentration measurements presented in Table 5.3 are useful in resolving these problems. With regard to the tabular entries, the letter "M" indicates missing data and the blank spaces denote no measurable concentration.

- Run No. 4 Gas released for 9.5 minutes only. Concentrations have been adjusted to a 10-minute release period.
- Run No. 25 Several gnats were caught in the capillary tubes used as entrances to the samplers. All concentrations known to have been influenced have been indicated as missing.
- Runs No. 30 and 31 Background resistances unusually low and variable. Data believed not significantly affected, except for concentrations below 5 mg m⁻³.

- Run No. 45 Concentration at Post 38 of the 50-m arc is an adjusted value.
- Run No. 47 Rate of gas release during the first 90 seconds of the run varied by perhaps + 50 percent of the average rate for the 10-minute period.
- Run No. 50 Vacuum line to Sampler 62 of the 200-m arc became disconnected during the run. All values measured at this arc are too low.
- Run No. 51 Vacuum line to Sampler 56 of the 400-m arc is believed to have been disconnected throughout the run. All values for this arc have been adjusted to make allowance for the reduced vacuum.
- Run No. 57 Vacuum line to Sampler 47 of the 100-m arc is believed to have become disconnected. All values measured at this arc are probably too low.

Table 5.2 (Continued)

DATE 3 July 1956 TIME 1100-1110 CST

CONCENTRATION (mg m⁻³)

							<u> </u>					NON	
POST	NO.		A.I	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	1000	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					C.145
	2						24	47	123	14.8	1.18	0.310	0.215
2	3	ļ						48	100	110	1.23	0.005	0.205
3	5	 -					25	49 50	109	14.7	1.23	0.295	0.260
-	8_						26	51	89.4	14.5	0.970	0.090	0.160
4	7	0.110	0.160					52					0.105
	8						27	53	92.9	14.2	0.995	0,090	0.100
5	9	1.49	0.700					54 55	115	13.5	1.70	0.420	0.090
6	10	6.13	0.870				28	56	1110	13.5	2.10	0.420	0.165
-	12	0.10	0.010				29	57	122	17.0	1.99	0.520	0.190
7	13	25.3	0.765					58					0.185
	14						30	59	118	13.8	2.20	0,510	0.170
8	15 16	37.0	2.20			├	31	60	106	14.9	2.51	0.495	0.145
8	17	50.9	2.17	0.155		 	-31	62	120	113.8	F-57	0.353	0.100
-	18	100.0	2	0.100	<u> </u>		32	63	114	19.1	2.05	0.725	0.070
10	19	63.8	6.22	0.755	0.030			64					0.060
	20	22.2		0.000	0.015		33	65	108	18.4	1.57	1.12	0.075
11	21 22	66.9	11.6	0.675	0.015	 	34	66	88.1	17.1	2.35	0,895	0.080
12	23	77.7	9.64	0.525	0.045	 	1-23	68	100.1	10115		10,000	0,050
	24						35	69	70.5	17.3	2.79	1.02	0.020
13	25	89.1	9.07	0.455	0.070		-83	70	-	ليجي ـ	 	2 112	0.030
1	26 27	1-00-	14.0	0.920	0.255	0.055	36	71 72	80.6	18.2	3.56	0.410	0.045
14	28	139	14.3	0.920	0.255	0.015	37	73	99.5	20.2	3.71	C.665	
15	29	119	11.6	1.28	0.140	0.065		74	3	1			
	30					0.010	38	75	112	25.4	3.97	0.610	
16	31	134	18.7	.995	0.270	0.000	39	76	123	19.8	4.08	0.650	╀╼┵┥
17	32	103	19.5	1.87	0.295	0.020		78	120	128.0	13.00	10.000	1
 -	34	 	1.2.0	1	1	0,025	40	79	140	24.0	4.07	0,460	
18	35	84.0	22.0	1.77	0.180	0.025		80					
	36		ļ		1 2 2 2 2	0.025		81	120_	21.7	3.31	0.340	∤
19	37	107	25,6	3.82	0.090	0.055		82	124	24.4	3.62	0.255	╁╼╼╼┥
20	38	106	23.8	4.38	0.130	0.070		84	1443-	+**·*	18.86	V. EVD	+
-20	40	1.00	120.0	1.00	1	0,155		85	121	19.3	2.12	0.080	
21	41	103	22.5	4.25	0.225	0.170		88					
	42		1		\	0.195		87	125	17.8	1.73	- 	
22	43	95.7	11.2	2.06	0,385			88	95,0	11,6	1.56	 	
23	44	88.1	10.9	1.94	0.410	0.150		90	-مبه	1.4.5		+	
L 20		110000	1 <u></u> -	1.,,,,	17.32				. الحب حبياء				·

Table 5.2 (Continued)

DATE TIME

THE PARTY OF THE P

3 July 1956 1100-1110 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST	NO.		A	RC		<u></u>
							ļ						
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91 92	60.6	8.01	0.945				136					
	92						69	137					
47	93	60.6	7,39	0,625		ļ	 -	138			 		
48	94 95	41.1	8.42	0.215		 	70	139 140		 	 	~~-	
40	96	31.1	0.42	0.215			71	141			 	~	
49	97	34.7	5.21	0.070			 	142		 	 		
	98						72	143					
50	99	20.0	1.46					144					
	100	100	A 888			<u> </u>	73	145		 	├ ──┤		
51	101	12.8	0.230	 -			74	146		 			
52	103	7.32	0.345		 		 	148		 	 		
	104	1.00	0,010				75	149		 			
53	105	4.47	0,100					150					
	106						76	151					
54	107	3.11					II	152		 	 		
	108	A 100				ļ	77	153		 -	-		
55	109 110	0.185					78	154 155	 -	 	+		
56	111	╟──		 		 	 '°	156	 -	 	 -		
100	112						79	157		 	-		
57	113			 		1	1	158					
	114						80	159					
58	115							160					
	116						81	161					
59	117	} _		ļ		ļ		162		↓	ļ		
60	118	 		 		├	82	163	 	 	 		
80	120	} -		 -	 	 	83	185		 	 		
61	121	 		 -	 	 	∥ •• -	188			+		
	122	1		 		 	84	167		 	 		
62	123	1	-	1			1	168					
	124						85	169					
63	125							170					
	126	 			ļ		86	171			↓		
64	127	₩	 	 		 		172		+			
65	128	}	 -	 -	 	 	87	173 174			 	ļ	
- 60	130	╬	 	 	 	 -	08	175		+	 		<u> </u>
66	131	╽──	 	 	 	 	1	176	 -	+	 -		
	132	11	<u> </u>	1	1		89	177			1		
87	133							178					
	134						90	179]	1		
88	135	1	ļ	ļ <u>.</u>	ļ		╢╌	180	 -	 	 	 	}
	L	1		<u> </u>	1	<u></u> .	<u> </u>	181	<u></u>			L	<u></u>

Table 5.2 (Continued)

DATE 3 July 1956 TIME 1500-1510 CST

CONCENTRATION (mg m⁻³)

									, <u> </u>				NO. 2
POST	. NO.		A	RC			POST	NO.		AI	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	1 00m	200m	400m	800m
1	1	37.4	0.030					46					0.210
	2						24	47	146	23,9	3,80	0.355	0.165
2	3	38,5						48					0.200
	4	23.8	2.10			0,080	25	49	124	25,5	4,61	0.350	0.160
3	5	23.8	2.10			0.220	00	50	124	25.4	4.71	0.400	0.165
4	7	30.4	3.20	<u> </u>		0.065	26	51 52	127	25.4	4.11	0.400	0.105
	8				ļ — —	0.050	27	53	135	29.7	4.77	0.450	0.055
5	9	აა.6	2.00					54					0.120
	10		-			0.055	28	55	148	31.2	3,43	1.13	0.120
6	11	58.4	1.77			0.075		56					0.130
7	12	73.3		0.000		0.050	29	57 58	163	36.9	3.90	1.14	0.115
<u> </u>	14	13.3	1.88	0.220		0.070	30	59	144	45.9	4.56	1.06	0.060 0.085
8	15	67,6	2.87	1.04	0,085	0.050	30_	60	133	40.0	4.50	1.00	0.005
	16		2.01	1.01	0,000	0.050	31	61	147	36.3	9.87	0.710	
9	17	56.4	8.93	1.24	0.205	0.115		62					
	18					0.075	32	63	174	42.3	6.29	0.400	
10	19	83.9	13.8	1.63	0.160	0.065		64	ļ				
11	20 21	81.5	 -	0.10	0.000	ļ	33	65 66	153	47.9	4.28	0.870	
1 1	22	61.5	17.1	2.18	0.320	0.130	34	67	183	44.7	2.85	0.050	
12	23	66.8	12.6	2.32	0,285	0.070		68		33	-E.O.J	0.000	
	24					0.025	35	69	135	44.3	2.52	0.040	
13	25	66.9	13.5	4.21	0.125	0.040		70	 			.	
 -, -	26	1 05 0	100	0.00	1	0.030	36	71	128	14.9	1.42	0.095	
14	27	95.0	10.6	3.28	0.100	0.090	37	73	100	7.38	0,400	 	
15	29	118	11.3	1.67	0.105	0.160		74	1100	1.00	0.400		
	30		1	1.0.	0.1200	0.130	38	75	74.0	0,265	0.050		
16	31	132	12.6	1.12	0.075	0.135		76					
	32	<u> </u>		<u> </u>		0,065	39	77	34.4	0.450	0.085	ļ	
17	33	129_	21.8	2.19	0.065	0.025	-40-	78 79		2 100		 	 -i
18	34 35	141	28.5	3.73	0.140	0.050	40	80	6.61	0.160	 	 	
10	36	1	20.5	3.13	0.140	0.315	41	81	2.59	0,075		 	11
19	37	190	38.3	3.70	0.210	0.130		82					
	38		 			0,140		83	0.805	0.050			
20	39	175	35.6	4.05	0.250	0.005		84				ļ	
L	40	<u> </u>	05.5	ļ <u> </u>	1000	0.120	43_	85	i 	 	 	 	
21	41	154	35.9	4.17	0.195	0.195		86 87	,i	 -	 	 	
22	42	192	26 0	4.33	0.270	0.275	44	88	 	 -	 -	 	
	4.1	1-1-5-	20.8	13.00	0.210	0.295	45	89-				 	
23	45	175	27.3	3.67	0.430	0.225	·:	90	<u> </u>	†		İ	
		··	-	-	-								

Table 5.2 (Continued)

DATE 5 July 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			Past		4				
1 1							POST	NO.	<u> </u>	A	RC		
finner	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100т	200m	400m	800m
1	1							46					
	2						24	47			-		
2	3_]							48					
	4						25	49]
3	5 6							50	<u> </u>				
4	$\frac{6}{7}$						26	51 52		-			
 	8_						27	53					
5	9							54		<u> </u>			
	10						28	55					
6	11							56					
	12		ļ				29	57					
7	13				 		II	58					
8	14		 -		 	ļ	30	59 60					
 ° 	16				-		31	61		 			
19	17						31	62		 -			
 - +	18						32	63		 			
10	19							64		† -			
	20						33	65					0.060
11	21							66					0.260
1 · · ·	22 23	 	 -	 	ļ	ļ	34	67	ļ				0.260 0.275 0.245 0.235
12	24		 	 -	ļ		35	68 69		 			0.245
13	25	<u> </u>		 		 	1 33	70	 	 			0.233
	26		 	 			36	71	·	†		 -	0.215 0.205 0.250
14	27							72					0.250
	28						37	73					0.2001
15	29	<u> </u>	 _			ļ	<u> </u>	74	<u> </u>	<u> </u>			0.195
10	30			ļ		ļ	38	75	0.175	 			0.180
16	$\frac{-31}{32}$	 -	 -	 	 		39	76 77	0.435	0.035	0.025	 	0.205
17	$-\frac{32}{33}$		 	 	 	 	38	78	0.433	0.033	0.023	 	0.200
	34	ļ	 	 		 	40	79	0.640	0.030	0.025	ļ	0.215
18	35		<u> </u>					80			I		0.205 0.215 0.200 0.215 0.215 0.215
	36						41	81	1.43	0.035	0.025	0.030	0.210
19	37				<u> </u>	<u> </u>	 	82_	A-73-				0.233
 	38		 -		 		42	83	2.16	0.035	0.025	0.030	0.220
20	39 40	<u> </u>	 	 	-		43	84_	12 CO	10000	1000	0.005	0.195
2,-	41		 -	 	 	 	1 43	- 85 86	3.68	0.085	0.015	0.035	0.195
	42		 	 		 	44		 5.84	0.375	0.005	0,025	0.205
22	- 12		 	 	+	 	4 إسمي [™] از	88	 	0.010	0.003	0,020	0.200
	-11	<u> </u>	 	 	1	I	ji 45		7.61	1.28	0.005	0.025	0.200
23	45	[†	1		<u> </u>	90		1		<u> </u>	0.215

Table 5.2 (Continued)

DATE TIME 5 July 1956 2200-2210 CST

CONCENTRATION (rng m⁻³)

TIME		00-2210	CST		CONC	ENTRA	TION	ing m	- 5}			RUN	NO. 3
POST	Γ ΝΟ.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200т	400m	800m	Inner Arcs	800m arc	50m	100m	20.0m	400m	800m
46	91	9.69	2.79	0.015		0.235		136					0.630
<u> </u>	92		L			0,220	69	137	30.9	43.5	19.8	5.84	0.560
47	93	11.6	4.25	0.110	0.010	0.205		138					0.580
48	94	12.1	6.48	0.320	0.000	0.245	70	139	29.1	44.3	25.0	6.78	0.470
10	96	16.1	0.40	0.320	0.020	0.265 0.260	71	140	33.2	47.6	28.6	8.77	0.255
49	97	15.2	5.85	1.03	U.010	0.235		142	33.4	41.0	20.0	0.11	0.025
1	98		 		4.4.5	0.245	72	143	32.5	50.9	30.0	12.1	0.020
50	99	19.5	11.7	2.25	0.020	0.200		144					
 	100					0,220	73	145	27.8	57.3	37.6	14.1	
51	101	22.1	13.5	3.87	0.020	0.185		146					
52	102	1 no i	1.0	4.05	0.000	0.155	74	147	21.9	45.6	41.0	16.3	
132	103	22.1	14.6	4.97	0.020	0.125	75	148	24.6	56.0	62.1	16.6	
53	105	22.7	16.7	6.55	0.035	0.120		150	24.6	56,6	53.1	16,6	{
	106		1	V. VV.	0.000	0.140	78	151	19.1	50.0	61.5	14.7	
54	107	25.1	17.6	8.49	0.055	0.120		152					
	108					0.125	77	153	18.8	54.6	67.2	15.4	
55	109	24.6	19.2	10.6	0.120	0.105		154	L				
	110	-	 	<u> </u>		0.075	78	155	19.1	58.7	65.7	16.7	
56	111	27.0	21.5	11.0	0.170	0.115	79	156 157	110	50.5		15.	
57	113	27.9	23.9	10.4	0.275	0.075	19	158	14.3	58.7	71.7	15,1	
	114	21.3	25.5	10.4	0.213	0.115	80	159	17.1	42.5	56.4	14.0	
58	115	28.4	23.7	11.6	0.385	0.105		160					
	116			1		0.100	81	161	17.4	43.1	51.2	14.4	
59	117	34,1	24.8	11.1	0.690	0,085		162					
	118]	ļ			0.105	82	163	15.3	54.5	63.4	16.9	
60	119	41.6	23.4	12.3	0.860	0.085	J	164					
61	120	38.4	04.2	12.2	1.15	0.040	83	166 166	9.98	70.8	63.4	17.6	
-01	$\frac{121}{122}$	30.4	24.3	μ <u> 2.2</u>	1.13	0.065	84	167	8.34	99.0	60.9	18.4	
62	123	42.5	23.9	13.6	1.57	0.105		168	0.54	33.0	00.0	10.4	
1	124	† == <u>:-</u>	1			0.145		169	14.4	103	55.1	0.250	
63	125	41.1	24.6	13.9	1.24	0.155		170	T				
	126					0.200	86		24.2	140	65.5	10,1	
64	127	44.6	26.3	14.3	2.62	0.185		172	L				
	128		1	<u></u>		0.290	87	173	32.6	207	68.7	0.830	,
65	129 130	39.3	28.8	16.4	2.93	•		174 175	30-4-	246	+ 00 0	0.010	1
66	131	33,9	34_5	15,8	3.77	0.330 0.445		176	32.4	240	00.0	0.010	:
1-00	$\frac{131}{132}$	2018	. د	الام <i>ا</i> لام	, , , , , ,	0.485	- 89	177	28.1	226	76.9	0.010	[
67	133	33.2	36.3	16.9	4.60	0.545	- -	178	1-2-2-13 1		1		
	134	li	1		İ	[0.645]	90	179_	29.7	201	58.7	0.010	
68	135	29.7	39.8	19.4	4.99	0.625	ı	180	;' ·	· }	ļ. <u> </u>		
	<u>!</u>	<u> </u>	L	<u>.</u>	! !	ـــــ ا	<u>i 91 .</u>	Tist]	13.7	181	18.1	0.005	LJ

Table 5.2-(Continued)

DATE 6 July 1956 TIME 0100-0110 CST

MARKET TERRORIES SERVICES OF PROPERTY OF PROPERTY SERVICES SERVICES TO SERVICES TO SERVICES TO SERVICES TO SERVICES

CONCENTRATION (mg m⁻³)

	T	,					<u> </u>				-		10.4
POST	. אס.		A1	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1	1.37	0.535	0.345	0.030	0.005		46					0.025
	2						24	47	1.93	1.27	1.27	3.57	0,020
2	3	1.53	0.470	0.335	0.075			48					0.035
	4						25_	49	2.23	1.48	1.36	4.25	0.025
3	5	1.42	0.500	0,315	0,130	0,015	<u></u> -	50	0.40	1.00		4.60	0,020
 	6	1 02	0.535	0.310	0.100	0.020	26	51	2.48	1.63	1.45	4.50	0.010 0,025
4	8_	1.23	0.525	0.310	0.190	0.003	27	52 53	2,78	1.94	1.55	4 56	0.030
5	9	1.31	0.530	0.350	0.235	0.015	-61	54	6.18	4.03	1.00	7,00	0.045
 -	10		10.000	0.000	0,200	0.020	28	55	3,09	1,83	1,65	5.09	0.050
6	11	1.42	0.575	0.350	0.375	0.005		56					0.050
	12	-	1				29	57	3.71	2.04	1.80	5.24	0.035
7	13	1.51	0.545	0,420	0.450	0.010		58					0.030
	14						30	59	4.53	2.42	2.03	5.41	0.030
8	15_	1.66	0.580	0.440	0.585			60					0.020
L	16	il					31	61	5.13	2.49	2.13	5.83	0.035
9	17	1.59	0.625	0.490	0.665			62	<u></u> _		L		0.040
<u> </u>	18	 	ļ			 	32	63	5.78	3.03	2.24	6.08	0.045
10	19	1.43	0.645	0.510	ე.795	.	II	64 65	0.00	1	0.00	6 01	0.060
1.	20		0.505	0.550	0.000	0.005	33	66	6,88	3.17	2.32	0.21	0.020
11	22	1.66	0.705	0.550	0.960	0.005	34	67	7.89	3.62	2.49	8 54	0.040
12	23	1.54	0.785	0.815	1.06	V.VZV	- -	68	1.08	7.02	2.78	0.03	0.050
 "-	24	1.03	10.100	7.010	1,00		35	69	9.09	3,63	2.57	6.48	0.035
13	25	1.64	0.815	0.655	1.28	0.035		70					0.050
— —	28	1	1			0.010	36	71	10.3	4.17	2.55	6.87	0.060
14	27_	1.47	0.860	0.700	1.33	0.065		72					0.065
	28		1			0.090	37	73	12.6	5.26	2.57	7.36	0.075
15	29	1.83	0.910	0.700	1.53	0.010	I	74	l		l		0.075
-	30	 	I		1	0.030	38	75 76	14.1	5.75	2.55	7.38	0.090
16	31	1.89	0.910	0.750	1.75	0.110	39	77	14 0	6.38	2 40	8 01	0.085
17	32	1,69	1,26	0.815	1.98	0.010		78	14.6	10.20	2.49	-8.41	0.080
1-1-	34	1.08	1.60	0.013	4.50	0.095	40	79	12.9	6.41	2.58	8.94	0.060
18	35	1.78	1,19	0,855	2.18	0.010		80			1	1	0.060
	36	 	1	1-13-5	T-187		41	81	12.2	6.09	2.69	9.43	0.080
19	37	1.77	1.19	0.950	2.23	Ι		82					0.040
	38						42	83	10.8	5.29	2.91	9.96	0.025
20	39	1.82	1.15	1.04	2.33	0.005		84][0.055
	40						43	85	9.54	5.01	2.96	11.2	6.095
21	41	1.93	1.27	1.12	2.60	0.010	 	86	 	+	 _	 	0.055
<u></u>	42	 	1	1	1	10.55	44	87	9.09	4.42	3.17	12.7	0,050
22	43	1.93	1.38	1.11	2.83	0.005	∦ -	88	0.00	3.38	3.15	1= 1	0.105
-02	44		1 20-	1 200	3.07	0.060	45_	89	9.09	3.38	3.13	15.1	0.100
23	45	2.10	1.32	1.26	3.07	0,000	11	90	11	J		L	10.100

Table 5.2 (Continued)

DATE TIME

6 July 1956 0100-0110 CST

CONCENTRATION (mg m⁻³)

111411		00-0110				ENTRA	11011	mg m	1	_		RUN	NO. 4
POST	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	8.81	3.81	3.39	17.3	0.120		136					10.7
	92					0.115	69	137	84.9	194	115	47.8	8,37
47	93	10,5	3,66	3,47	20,5	0,140		138					5.11
	94	4.0				0.135	70	139	78.0	218	152	66.7	1.53
48	95 96	14.3	3.71	3.61	24.1	0.135	71	140 141	69.6	174	151	8.48	0.220
49	97	27.0	4,80	3,95	24,5	0.000	11	142	03.0	114	1.71	0.40	
1-30	98	21.0	3,80	3.33	27.5	0.065	72	143	62.8	140	65.5	0.135	
50	99	54.5	7,93	4.84	23.3	0,110	· · · · ·	144	V 40. V		VV.0	V.AVV.	
	100					0.110	73	145	58.1	87.8	2,02		
51	101	98.8	10.7	7.34	23.3	0.140		146					
	102	ļ				0.120	74	147	53.1	42.6	0.050		
52	103	135	14,8	13.7	24.2	0.095	55	148			ļ		
50	104	1.50	20.5	05 0	05.4	0.085	75	149 150	32.2	4,58		ļ	
53	105 106	153	36,5	25.8	27.4	0.105	76	151	9.90	0.170	 		
54	107	169	91.1	35.4	30.9	0.125	10	152		<u> </u>	 		
<u> </u>	108	128	94.1	30.1	.00.0	0.160	77	153	0.535	0.045			
55	109	186	161	70,6	29,8	0,245		154					
	110					0.285	78	155	0,275				
56	111	177	199	104	26.6	0.285		156		·			
	112			ļ		0.300	79	157	0.065				ļ
57	113	196	221	133	26.7	0.355		158		ļ			 _
	114	000	016	105	04.0	0.465	80	159	0.040	ļ	 		
58	115	208	216	105	24.8	0.460	81	160 161				 	
59	116	238	213	80.2	22.3	0.870	61	162				 	
1 39	118	230	213	80.2	22.0	0.715	82	163	}		 		
60	119	267	202	66.7	17.7	0.935		164			 	 -	
-00	120	1	202	100.7	-	1.22	83	165					
61	121	261	212	55.1	15.6	1.66		166					
	122					2.22	84	167					
62	123	268	210	48.3	14.8	2.91		168		ļ	ļ		
	124	 				3.61	85	169	L	ļ	 		-
63	125	235	186	50,2	14.9	4.33		170	<u> </u>	ļ			
	126			1.0.0		1.85	86	171	. 	 	 	·	
64	127	221	177	49,2	13,8	5,61 6,37	87	172	ļ	 	 	 	
65	128	196	182	59.6	15.9	6.84	- 	174	 	 	i —	 	
105	130	1 ·	102	09.0	1.2.8	8.18	88	175	 	 	†	†	
66	131	159	159	68.2	.17.1	9,01		176					
	132					10.1	89	177					
<u>G7</u>	133	135	161	73.6	20.1	10.6		178					
	134		1		Ì	11.2	90	179	!	ļ	↓	!	-
68	135	107	163	77.3	27.1	11.4_	'' ! c•	1185_	!		 	i	
L	<u> </u>	11	<u> </u>	L	l	<u></u> .	91	151	Ц	L		<u> </u>	<u></u>

Table 5.2 (Continued)

DATE 6 July 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

POST	r no.	<u> </u>		RC			POST	NO		Δ :	RC		10.3
		 	, 				1051	110.	ļ				
Inner Arcs	800m arc	20m	100т	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1_							46					
	2						24	47					
2	3		 	ļ		 _		48	0000				
3	5	 	 			<u> </u>	25	49 50	0.315				
- <u>'</u>	6		 	ļ			26	51	2.69				
4	7							52					
	8		<u> </u>				27	53	8.84				
5	9	 -	 				00	54	13.1	0.360			
6	10		 	 	 	 	28	55 56	13.1	0.300			
-	12	 	 		 		29	57	10.9	2.82			
7	13							58					
	14						30	59	10.8	4.71			
8	15	 	 	 -		 	 	60			2.205		
9	16 17	 	 -	├ ──	 	 	31	61 62	13.7	3.17	0.085		
- - -	18	╟	 	 	 	 	32	63	17.9	2.28	0.675		
10	19		1		i			64	-1.0				
	20						33	65	18.6	2,87	1.42	0.040	
11	21	 		ļ		 	1	66				2 222	
12	22	 	 	 	 	 -	34	67 68	17.3	5.00	1.17	0.080	
12	24	 	 	 	 	 -	35		15.3	5.97	1.28	0.395	
13	25	1	1					70					
	28						36	71	18.3	6.45	1.66	0.520	
14	27	 		ļ	ļ	 		72	0.5	0.40	0.25	0.710	0.035
15	2 <u>8</u> 29	╂		 	 	 	37	73	32.7	9.42	2.35	0.710	0.070
	30	 	 	 	 -	 	38	75.	55.7	13.4	4.39	0.650	0.110
16	31							76			Ĺ		0.130
	32		ļ .	ļ			39	77	71.9	21.9	5.97	1.18	0.155
17	33	∦	 	ļ		 	1-40-	78 79	91.5	27.2	9.19	1.75	0.205
18	34	╢—	 -	 	 	 	40	80	91.5	21.2	9.19		0 100
1.0	36	·	+	 	1	<u> </u>	41	81	115	36.3	10,0	1.81	0,320
19	37							82		L		1	0.315
	38						42	83	150	45.3	10.0	1.60	0.205
20	39	 			ļ		<u> </u>	84	 	 _	1 2 22	1.55	0.175
-, -	40	 -	 	 	 -	 	43	85 86	197	48.2	9,69	1.75	0.280 0.395
21	41	╂		 	d	 	44	80 87	203	53.3	11.1	1.97	0.420
22	43	11	1	1	 	 	1-33	- 88-	1	20.0	 	\	0.445
	44						45	89	174	55.7	14.8	2.82	0.480
23	45			I]			90			1	1	0.390

Table 5.2 (Continued)

DATE TIME

6 July 1956 1400-1410 CST

CONCENTRATION (mg m⁻³)

								———	- ,			NUN	NO. 5
POST	NO.		A1	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400 m	800m	Imer Arcs	800m arc	50m	100m	200т	400m	800m
46	91	159	47.0	11.8	2.26	0.370		136					
47	92 93	156	44.4	10.4	1.75	0.440 0.320	69	137 138		 	 		
	94	130	74.4	10.4	1.13	0.320	70	139	_	 			
48	95	159	40.1	8.87	1.26	0.360		140					
	96		-			0.280	71	141					
49	97 98	137	28.5	5.30	1.18	0.240 0.155	72	142		 -	 		
50	99	103_	19,1	5.04	1,00	0.105	12	143			 		
-	100	100	13.1	3,04	1,00	0.075	73	145		 	 		
51	101	67.4	11.8	2.50	0.365	0.035		146					
 -	102						74	147					
52	103	39.9	5.09	0,950	0,040		- FE	148		-			
53	104 105	16.4	1,56	0,335	 	 	75	150			 		—{
"	106	10.1	1.00	0,000		 	76	151		 			
54	107	8.01	0.415	0,040				152					
	108						77	153					
55	109	2.87	0.050		 	ļ	78	154 155	 	 -			
56	111	1.23	0.040		 -	 	-18	156	 -		 		
1-5-	112	1.20	0.030			 	79	157	\ 				
57	113	0.570	C.055					158					
	114						80	159					
58	115	0.075	ļ			 		160			ļ		
59	116	ļ	ļ. .		 	 	81	161 162		 -	┟╼╼┥		
1-35	118	 			·	 	82	183			╆╼╼┤		
60	119					1	:	164					
	120						83	165					
61	121				ļ	ļ	l	166]
	122				ļ 		84	167 168	}	┥	 		
62	123 124	i	 		i	╅	85	169	 	 	 		
63	125	<u> </u> -	†··· — –			†····	- -	170	<u> </u>	†	∤		
	126		1		1	1	86	171					
64	127							172					
1	128	 		 	 	 	87	173		<u></u>	 		
65	129 130		 		 	∔	88	174		 	╁╼╌┥		
-GC_	131	 	 	 	 	 	<u> </u> <u></u>	176		1	 		
	132	ļ	1		T	<u> </u>	89	177					
707	133			T		ļ		178					
	134	 	Ì -		ļ <u>.</u>	ļ	90	175	}	 	 		
68	135 _	 	1	-	 	ļ	91	160 181		 	}	─ ──	
L		L	<u> </u>	ــــ ـــــــ	ــــــــــــــــــــــــــــــــــــــ	<u>. </u>	·	i	<u>:</u>	⊥	لـــــــــــــــــــــــــــــــــــــ		

Table 5.2 (Continued)

DATE 6 July 1956 TIME 1700-1710 CST

CONCENTRATION (mg m⁻³)

POST	ΓNO.		A	RC			POST	NO.	_	Al			110.0
		<u> </u>	Γ				ļ						
Inner Arcs	800m arc	50m	100m	200m	400m	800m	inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47					
2	3		ļ				ļ	48	1				
3	5	ļ	 			<u> </u>	25	49					
3	6	 					26	50 51					
4	7					 	20	52					
	8						27	53					
5	9		<u> </u>	ļ	<u> </u>	ļ		54_					
	10	ļ	 		 	<u> </u>	28	55_					
6	11	 -		<u> </u>		 	29	56 57				_	
7	13	 	 	 		 -	23	58					
 `	14	¦					30	59					
8	15							60					
	16	 	ļ	ļ			31	61					
9	17	 -	 	 		 	32	62 63	ļ				
10	19	 	 	 	 	 	32	64	 				
—	20	 		 -		†	33	65	0.040				
11	21							66					
	22						34	67	0.455	ļ			
12	23	 	 	 		ļ <u>.</u>	il	68	1 . 05	0.000			
13	24 25	∦	 	 		 	35	69 70	1.85	0.060			
1-5-	26	₩	 	 	 	 	36	71	5.37	0.605			
14	27		<u> </u>	<u> </u>	1	<u> </u>		72					
	28						37	73	18.9	2,45	0.200		
15	29	 	 	<u> </u>	 -	 	38	74	46.	0.94	1 50	0.025	
16	30	 	┼	 	 	 	1-30	75 76	46.1	9.84	1.52	0.035	0.025
1.5	32	<u> </u>	+	 	 	 	39	77	81.5	23.0	2.72	0.235	0.035
17	33	1			1		11	78					0,055
	34				ļ		40	79_	118	34.4	6.42	0,690	0,095
18	$-\frac{35}{35}$		 	 	↓	 	 	80	100	47.3		1 05	0,135 0,150
19	36	ļ		 	 	 	41	• . ~	188	47.3	11,5	1.85	0.150
<u> </u>	38	∦ -	 -	 	 	 	42	82	240	62.9	14.6	3.25	0.440
20	39	!	 	 	 	 		84	<u> </u>	T			0.835
	40]		1		<u> </u>	43	85_	261	80,6	17.5	3,50	0.755
21	41		1	<u> </u>	ļ	;	 	86				ļ	0.755
	42	ļ	· 	; - 	 	 	44	<u>87</u> _	251	80.3	24.2	4.00	0.765
22	43	 	<u> </u>			į	45	<mark>8</mark> 5 _	263	70.2	19.0	4.24	0.865 0.885
23	$\frac{1-\frac{44}{45}}{45}$	 	· }	-	 			1 90	1 203	10.4	13.0	3.67	0.795
<u> </u>	1	┧	.1	1	i		1		1:	1	l	L	

Table 5.2 (Continued)

DATE TIME

6 July 1956 1700-1710 CST

CONCENTRATION (mg m⁻³)

S	POST	NO.		A	RC			POST	NO.		A	RC	KON	
46 91 218 59.3 14.3 5.27 0.960 69 138 69 137 77 73 148 78 78 78 78 78 78 78	 								<u>_</u>		, 			
47	Inner Arcs	800m arc	50m	100ш	200ш	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
47	46	91	218	59.3	14.3	5.27	0.960	60	136					
94	47	93	182	65.3	13.7	3.23	1.12	09		<u> </u>	 	1		
48			-33		337.	-	0.920	70			1	1		
49 97 133 35.1 10.5 2.05 0.570 72 143 50 99 106 31.4 6.12 1.43 0.320 144 100 0.255 73 145 5 51 101 72.5 16.5 3.95 0.615 0.075 146 102 46.7 8.66 2.63 0.175 0.020 148 6 104 0.055 0.155 75 149 6 104 0.104 0.155 75 149 6 53 105 19.5 3.66 0.835 0.020 76 151 54 107 8.64 1.65 0.095 152 152 108 77 153 78 155 154	48		146	45.2	11.9	3,23	0,720		140					
98			100	1			0.520	71			<u> </u>	ll		
50 99 106 31.4 6.12 1.43 0.320 144	49	97	133	35.1	10.5	2.05		72		<u> </u>	ļ 	ļl		
100	50		106	31.4	6 12	1 43		12			 	 	 -	
51 101 72.5 16.8 3.95 0.615 0.075 74 147 52 103 46.7 8.66 2.63 0.175 0.020 148 148 104 19.5 3.66 0.835 0.020 150 150 150 53 105 19.5 3.64 1.65 0.095 76 151 54 107 8.64 1.65 0.095 77 153 55 109 3.02 0.445 77 153 56 110 78 155 154 56 111 0.610 0.960 156 112 79 157 79 157 57 113 0.065 158 158 114 80 159 158 116 80 159 160 118 82 163 60 119 164 164 120 84 167 61			100	91.4	U.4.E.	1.33	0.320	73		 		1	+	
52 103 46.7 8.66 2,63 0.175 0.020 148 53 105 19.5 3.66 0.835 0.020 150 106 106 76 151 54 107 8.64 1.65 0.095 55 109 3.02 0.445 154 110 78 155 156 111 0.610 0.060 156 112 79 157 57 113 0.065 158 114 80 159 58 115 160 114 80 159 58 117 160 110 61 61 110 62 63 150 160 160 118 82 163 60 119 164 120 83 165 61 121 666 124 84 167	51	101	72.5	16.5	3.95	0.615	0.075		146					
104							0.020	74						
53 105 19,5 3.66 0.835 0.020 76 150 54 107 8.64 1.65 0.095 152 108 77 153 154 55 109 3.02 0.445 154 110 78 155 154 56 111 0.610 0.060 156 112 79 157 157 57 113 0.065 158 158 114 80 159 158 116 81 161 160 117 162 160 160 118 82 163 164 60 119 164 164 120 83 165 166 124 84 167 168 124 85 169 168 124 85 169 172 128 87 173 174	52		46.7	8.66	2.63	0.175		75		}		 		
106	53		10.5	3 66	0.035	0.020	0,155	75				 		∤
54 107 8.64 1.65 0.095 77 153 55 109 3.02 0.445 154 154 154 155 154 155 154 155 155 156 111 0.0610 0.960 156 156 157 157 157 157 157 157 157 157 157 157 157 157 158 159 158 160 158 160 158 160 158 160 160 158 160 160 <t< td=""><td>133</td><td></td><td>13.3</td><td>3.00</td><td>0.033</td><td>0.020</td><td> </td><td>76</td><td></td><td>-</td><td></td><td> </td><td></td><td>─ </td></t<>	133		13.3	3.00	0.033	0.020	 	76		 -		 		─
108	54		8.64	1.65	0.095									
56 111 0.610 0.060 156 57 113 0.065 158 157 57 113 0.065 158 157 114 80 159 160 58 115 160 160 110 81 161 161 59 117 162 162 118 82 163 164 120 83 165 164 120 83 165 166 61 121 166 166 122 84 167 168 62 123 170 170 63 125 170 172 64 127 172 172 128 87 173 174 130 88 175 66 131 176 178 134 90 179 68 135 180		108						77						
56 111 0.610 0.960 156 112 79 157 57 113 0.065 158 114 80 159 58 115 160 116 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 89 177 67 133 178 90 179 68 135 180 180	55		3.02	0,445			ļ		154					
112 79 157 57 113 0.065 158 114 80 159 58 115 160 116 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 62 123 168 62 123 85 169 63 125 170 172 64 127 87 173 65 129 174 172 66 131 89 177 67 133 178 178 134 90 179 180	5.0	110	0.010	0.000			 	78		 	 -			
57 113 0.065 158 114 80 159 58 115 160 110 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 64 127 172 128 87 173 65 129 174 66 131 176 67 133 176 68 135 178	30		0.610	0.000	 -		 	79		}		 		
114 80 159 58 115 160 110 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 134 178 68 135 179	57	113	0.065				1		158		 			
116		114	0.000				1	80	159					
59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 08 175 66 131 176 132 89 177 67 133 178 134 90 179 68 135 180	58											-		
118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 66 131 176 132 89 177 67 133 178 134 90 179 68 135 180		116	ļ	ļ		ļ		81	161	ļ	ļ			
60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 132 89 177 67 133 178 134 90 179 180 180	59		 	 	ļ <u>.</u>	 					 	 		
120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 132 89 177 67 133 178 134 90 179 180 180	60-		ļ}	 		 -	 	02		 	 	┼		
61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 132 89 177 67 133 178 134 90 179 180 180	100			 	 		 	83			 -	 -		
122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 132 89 177 67 133 178 134 90 179 180 180	61		- 			†	 					11		
124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 176 132 89 177 67 133 178 134 90 179 68 135 180		122			Ī	1		84	167					
63 125 126 86 64 127 128 87 65 129 130 88 66 131 132 89 67 133 134 90 179 180	62	123					<u> </u>	ļ <u>-</u>		<u> </u>		ļ		
126			i i — ———	·			ļ	11 85 11 85						{
64 127 128 87 65 129 130 88 66 131 132 89 67 133 134 90 68 135	-63				·		 	86		<u> </u>	 	 		—
128	64					† ··	j			 	<u> </u>	1		
65 129 174 175	1	·		†	†	 	 -	87	173					
130	65	129			i			:	174					
133 178 178 179 180	1	4						L 88	175	J	-	1]]
133 178 178 179 180	GC		ļi -	-					176	 		┼		
134 68 135	67				j		1	1 29	178 1	ļļ	 			
68 135	1		<u> </u> -		-	† · 	+	90		!		 		
	68	•		L	1 -	1	1	(-	180		1	.1		
<u></u>	[! · ·	И Ш				<u> </u>	91	181			L	!	

Table 5.2 (Continued)

DATE 10 July 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

POST	r NO.	ARC					POST	NO.	ARC				
Inner Arcs	800m arc	50m	100ங	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47	35.4	5.18			
2	3						25	_ 48 _49	35.1	8 25	0.005		{
3	5_						-20	50	33.1	0.20	0.000		
	6						26	51	48.6	7.88	0.020		
4	7							52					
5	8						27	53	55.1	9.68	0.395		
-3	10	}	_		- -	ļ <u>-</u> -	28	54 55	62.1	11.6	1 28		
6	11						-	56	<u> </u>	11.0	1.20		
	12						29	57	73.1	13.8	3.60		
7	13							58					
8	14 15	ļ	 				30	59	70.1	11.1	2.35		
	16		 -				31	61	55.1	10.1	1.74		
9	17	ļ	 					62	00.1	10.1	-2		
	18						32	63	54.3	8.42	2.11		
10	19		<u> </u>			ļ	II	64	<u> </u>	 			
11	20	<u> </u>	 			 	33	65 66	46.1	6.83	3,18		
	22	 					34	67	54.0	7.26	2.14		
12	23							68					
	24						35	69	43.1	5.60	1.21	0.035	
13	25 26	 	 -			 	- 26	70	20.4	5 10	0.075	0.035	
14	27	 				 	36	71 72	38.4	3.12	0.975	0.033	
<u> </u>	28	- -	1				37	73	29.0	5.69	0.645	0.140	
15	29							74					
10	30	<u> </u>				l 1	38	75 .	29.3	8.46	0,435	0,100	
16	$\frac{31}{32}$	0.015	 			 	39	76 77	39,6	7 99	0.465	0.165	
17	33	0.015	 				1 33	78	33,0	1.00	0.402	V. 100	[-
	34						40	79	49.1	11.3	0.905	0.400	
18	35_	0.130	ļ	ļ	ļ	<u> </u>	<u> </u> 	8û	' 	i +			ll
19	36	0.830	0.035		ļ	 	41	81	85.7	18.6	2.86	0.210	·
13	38	0.830	0.033	 	 -	 	42	83	63.5	18.8	4.21	0.270	
20	39	1.76	0.035	 		 	!	84	<u></u>	† 	† - : - :	{	0.035 (
	40	: I	!			•	43	85	82.4	22.4	4.49	0.380	0.050
21	41	6.98	0.260				i	- 56	·		: • ; 		0.035
22	42		10.000	 	i	; 	44	. <i>e</i> 7	<u>97.8</u>	23.3	4.57		0.060
1 22	4.4	15.2	0.930				.i . 45 .	to oJ	: 87.9	. M	$\frac{1}{4.64}$		0.045 0.045
23	45	26.3	1.79	0.030	ļ ·			Ųn	: =	† · · · ·	•		0.030

Table 5.2 (Continued)

DATE 10 July 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

RIIN NO 7

CONCENTRA						11011	mg m				RUN	NO. 7		
POST NO.		ARC						NO.	ARC					
Inner Arcs	800m arc	50m	100ш	200m	400m	800m	Inner Arcs	800m arc	50m	100п	200m	400m	800т	
46	91	79.4	19.4	3.23	0.760	0,065		136						
	92					0.040	69	137	68.0	11.2	1.25			
47	93	67.4	17.4	4.41	0.680	0.035	- 70	138	30.0	0.00	0.040		{	
48	95	54.3	15.5	3.47	0.300	0.020 0.025	70	139 140	39.0	6.90	0,840			
1-70	96	34.0	13.5	3.41	0.330	0.035	71	141	32.7	3.29	0.380			
49	97	46.4	11.7	2.28	0,305	0.045		142	<u> </u>	0.00	9.000			
	98					0.025	72	143	28.4	3.45				
50	99	40.7	10.2	1.89	0.360	0.035		144						
	100				<u> </u>	0,040	73	145	21.6	5.96	0.110			
51	101	53.9	11.3	1.78	U.430	0.040	74	146 147	24.6	3.24	ļi			
52	102	56.7	11.8	1.81	0.480	0.040	14	148	24.0	3.24				
1	104	 • • • • • • • • • • • • • • • • • • 	1	1.01	0.100	0.025	75	149	18.5	0.755				
53	105	58.2	11.7	1.65	0.380	0.035		150						
	106					0.035	76	151	12.0	0.175				
54	107	41.6	8.82	1.92	0.265	0.030		152						
<u> </u>	108	-	10.00		L	0.060	77	153	17.3					
55_	109	30.5	6.77	1.67	0.385	0.050	78	154 155	<u> </u>		 			
56	1111	33.5	5,69	1.85	0 150	0.045 0.065	10	156	14.9					
1-30	112	13.2	1-3.03	1.65	0.1.0	0.040	7.9	157	7.98	 	 -			
57	113	32.9	5.91	1.53	0.285	0.070		158	1.00					
	114					0.025	80	159	1.20					
58	115	39.6	5.73	1.55	0.220	0.045		160						
	116	-	l	<u> </u>		0.065	81	161	0.115				ļ	
59	117	51.2	7.79	1.2	0.170	0.040	82	162 163	0.005	 	ļ			
60	118	61.1	9.71	1.35	0 175	0.045 0.045	1 82	164	0.085	 	}			
100	120	101.1	13.11	1.35	0.113	0.020	83	165	0.040	 	 -			
61	121	57.0	13.5	2.51	0.140	0.010	1	166	0.0.0	 	 			
1	122	1	1 2.5.	1	1 11 11	0.010	84	167	0,015					
62	123	47.9	14.4	5.14	0.125	0.030		168]					
	124		Ι	ļ	ļ	0.050	85	169	0.030			-		
63	125	54.3	16.1	3.69	0.070	0.025		170	1 0 000	 	 	ļ	├	
<u></u>	126	162 4 -	-{5-5·3	3-40-	0.375	0.035	86	$\frac{171}{172}$	0.020	 	 	 	<u> </u>	
64	127	53.4	17.0	3.42	0.315	ļ ——-	87	$\frac{172}{173}$	0.035		 	 	 	
65	$\frac{120}{129}$	€5.1	19.5	4.18	0.490	 	 	174	1 3.000	 -	 	 	<u> </u>	
1	130	1	1=	† -	1	1	88	175	0.045		 			
66	131	70.4	19.4	2.89	0.135			176][
	132	11	1	j]	89	177	0.025				 	
67	133	65.6	21.2	2.44	0.060	ļ <u>-</u>	-co-	178	. عمد ا		<u> </u>	 	ļ	
	134	72.0	1.4.4	1.66	ļ	i	90	179 180	0.020	į	 		 	
68	135	73.8	14.4	1.00			91	180_	ļ.———	 	+	 	 	
L	↓	11	ــــــــــــــــــــــــــــــــــــــ	ــ	٦	1	il 51	1141	ш	ـــــ	L	Ц	1	

Table 5.2 (Continued)

DATE 10 July 1956 TIME 1700-1710 CST

CONCENTRATION (mg m⁻³)

POST NO.			POST	NO.	ARC								
Inner Arcs	800m arc	50m	100m	200m	400m	800т	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1_							46					
-	1 2 3 4 5		 	ļ	ļ	ļ	24	47					
2	4		 -		 	 	25	48 49	 				
3	5							50					
—	6						26	51					
4	7 8	 	 	 	 		27	52 53	 -				
5	9							54					
	10						28	55					
6	11	ļ	 -	 -	 	 	29	56 57	 				
7	13			 		 		58					
	14						30	59					
8	15 16	 	 	 			31	60 61	ļ				
9	17	 	 	 	 	 	1 31	62					
	18						32	63	0,025				
10	19 20	 -	 	ļ	 	 	33	64	0.000				{
11	21	 	 -	 -	 -	 	33	65 66	0.030	ļ			
	22						34	67	0,030				
12	23	ļ	 	 _	ļ	ļ	35	68 69	0.010	ļ			
13	24 25	∯	 	 -	 	 	35	70	0.010	 			
	26						36	71	0.025				
14	27 28	<u> </u>	 	ļ <u>.</u>	ļ	 	37	72 73	0 150				
15	$-\frac{20}{29}$	<u> </u>	 -	 	 	 	1-34-	$-\frac{13}{74}$	0,170				
	30						38	75	5.34	0.025			
16	31			 		 	39	76 77	14.6	0.120	0.025		
17	32 33 34	 	 	 	 	 -	39	78	14.0	0.130	0.035		
	3.1	!	 	·	1	}	40	79	18.2	1.79	0.100		
18	3 <u>5</u> 3 <u>6</u> 37		ļ		 	† 	11-43	<u>80</u>	20.7	777	7 500		
19	$\frac{30}{37}$: 		†·	ļ	 	41	- 81 - 82	20.1		0.300		1
L	38		-i			 	42	ს3	27.0	6.23	1.46	0.205	
20	39	.l !!———	 	!	ļ	·		84		!	1 - 7 -		0.045
21	40	!			 	 -	43	85 86	54.9	11.5	2.75	0.440	0.060
	12	.[1_	 -	i	·	44	δ7 -	101	23.6	3.03	0.610	0.150
22	43	<u> </u>		I	<u> </u>		1	88		• 			0.190
\perp_{23}	1 - 44 ··	¦ 1 -		į ·	·	i	<u>4</u> 5	. 89 .90	186	51.2	6.49	1.10	0.205 0.290
	· · · · · · · · · · · · · · · · · · ·	. ــــــ نه		i	1 .				.:		:	١.	U.230 J

Table 5.2 (Continued)

DATE 10 July 1956 TIME 1700-1710 CST

CONCENTRATION (mg mi-3)

POST	. NO				 -	2111100			,			RUN	140.8
PUS 1	NO.		A	RC			POST	NO.	<u> </u>	Α	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800ra	Inner Arce	800m arc	50m	100m	200m	400m	800m
46	91	260	73.1	11.8	2,34	0.355		136					
47	92 93	341	89.9	23.6	3.74	0.445 0.585	69	137 138	0.035	 	 		
	94	341	03.3	-23.0	_V.17_	0.525	70	139		ļ	 		
48	95	422	115	25.7	3.79	0.535		140					
49	96 97	381	111	26.4	3.97	0.675	71	141 142					
73	98	301		20.7	3.31	0.695	72	143			├	 ∔	
50	99	326	92.1	23.9	4,25	0.495		144					
51	100	200	00.0			0.545	73	145					
51	101	267	68.3	17.7	3.35	0.635	74	146 147		 	 		
52	103	204	50,6	13.1	2.71	0.605		148		 	1		{
	104					0.495	75	149					
53	105 106	140	41.1	10.5	1.80	0.545 0.425	76	150 151		ļ. ——	 		
54	107	91,1	24.0	5,04	1,15	0.300	10	152		 	 	+	
	108					0.300	77	153					
55	109	62.7	9.33	2.97	1.15	0.220	70	154					
56	110	61,2	8,55	2.46	0.530	0.165 0.160	78	155 156	 		 		
	112	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0,00	2.40	0.000	0.055	79	157					
57	113	36.3	6.87	2.49	0.200	0.045		158					
58	114 115	23.0	7.26	1.31	0.070	0.030	80	159 160			 		
30	116	23.0	1.20	1.31	0.070	0.020	81	161		 	 		
59	117	14.0	3.45	0.330				162		1			
	118		. 00	0.400			82	163					
60	119 120	10.9	1.86	0.180		ļ	83	164 165	ļ	ļ	}}		
61	121	10.4	0.735					166	 	 	1		
	122						84	167					
62	123	10.1	1.08			ļļ	85	168 169	ļ	<u> </u>	 		
63	$\frac{125}{125}$	8.46	0.975					170	 	i	 	- ·· +	
	126		<u> </u>			j j	36	171			1		
64	127	5.42	0.975			· · · · · · · · · · · · · · · · · · ·		172					
65	128 129	2.06	1.01	 		∤i	87	173 174	ļ		 		
1 -22 -	130	_4.00	1.01		··	 	 88	175	 	ļ	 		
66	[151]	1.29	0.135			† 		176			-	1	
	132	0.440	أمحما	·	· -	¦	[89	177 177	¦ _}	: 	į į		
67 -	13 <u>3</u> 154	0.440	0.070	-		!	90	178 179	!' !! ·	:	÷		
68	:	0.235				,i		160	(<u>)</u> ()	! ·		· · · · · · · · · · · · · · · · · · ·	
<u></u>		!' 	<u> </u>	 		: ;	91	161_	::		j!	الم . ـ . ـ . ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	

Table 5.2 (Continued)

DATE 11 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

Post	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	900m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47 48					
2	3		↓ —					48					
3	4 5		 			ļ	25	49					
-3-	6	·	i —	 			26	50 51	ļ				
4	7		† — —	-				52					
	8						27	53					
5	9	ļ	ļ				II	54	 _				
6	10		 	 			28	55		 	L		
- -	11	ļ	 	 			29	56 57		 			
7	13		1	 			23	58		 			
	14		1	 			30	59					
8	15							60					
	16		ļ	ļ			31	61	ļ				
9	17		 	↓ -				62		ļ			
10	18 19	- -	 	 	 	-	32	63 64		 			
1	20	<u> </u>	1	+	 	l	33	65					
11	21 22		 					66					
	22						34	67 68					
12	23	ļ	↓	 		 	1 25	68		 			
13	24 25	ļ	+	 	<u> </u>		35	<u>69</u>			 		
··-	26	 -	 	 	 	 	36	70 71		 			
14	27							72					
	28			I			37	72 73					
15	29		 		ļ <u>.</u>	ļ		74		ļ	ļ		
16	30	<u> </u>	+	 		 	38	75 76					
···	32	 	 	 		 	39	77		1			
17	33 34							78					
	34	 	1				4Ĉ	79	ļ — —			1	
18	$\begin{array}{r} 35 \\ \hline 36 \\ \hline 37 \end{array}$	ļi	 	 			 	80 81 82	ļ	 	}	 	·
19	30	 	 	 	 -	 	41	<u> 8</u>	}	 	 	 	
19	38		+	 -			42	82	0.025				
20	39	 	+	+	1	 		84	0.020	 -	 	 	
	40	i	 	1	!		43		0.250	1	 	1	
21	41				1	<u> </u>		- 8G					
<u></u>	42	 		ļ		ļ	44		1.50	L	ļ		
22	43	ļ!	 -		ļ	 		_66	. 5. C C	0.290	 -	 	ļ. ———
23	45	ļ . — —	 	 	 -	 	45_	- 01 -	0.00	0.200	 	 	
L 23	1	ш	ــــــــــــــــــــــــــــــــــــــ	1	<u></u>	1	<u>.</u>	90	l <u></u> .	L	1	L	

Table 5.2 (Continued)

DATE 11 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

POST NO. ARC POST							·i							NO.9
46	POST	NO.		A	RC			Post	NO.	<u> </u>	A	RC _		
92	Inner Arcs	800m arc	50т	100m	200m	400m	800ra	Imer Arcs	800m arc	50m	100m	200m	400m	800m
47	46	91	20.4	2.30										
94 95 94.9 9.18 0.120 70 139 12.8 4.28 0.515 0.125 0.015 98 97 98 72 28.9 4.97 0.175 72 143 50 99 97.2 28.9 4.97 0.175 0.035 73 145 101 33.5 28.2 8.93 1.00 0.055 148 102 52 103 115 32.9 9.83 2.48 0.255 148 104 105 148 42.6 12.5 2.90 0.520 150 106 54 107 183 56.1 14.2 2.14 0.440 152 108 55 109 200 55.7 11.3 2.26 0.470 77 153 56 111 198 45.9 10.9 2.29 0.405 156 51 114 58 115 159 48.5 12.6 2.68 0.510 160 59 117 130 41.3 10.6 2.63 0.245 162 118 60 119 123 38.7 9.73 1.85 0.385 166 120 121 121 34.5 8.46 2.12 0.385 8.3 165 122 62 123 102 28.0 6.50 1.57 0.405 168 61 127 48.6 11.5 3.51 0.825 0.155 170 61 127 48.6 11.5 3.51 0.825 0.155 170 61 127 48.6 11.5 3.51 0.825 0.155 170 61 127 48.6 11.5 3.51 0.825 0.155 170 62 133 28.9 7.04 2.29 0.655 0.155 170 63 135 25.2 8.90 2.75 0.535 0.065 170 64 137 32.9 7.04 2.29 0.655 0.155 170 66 131 32.9 7.04 2.29 0.655 0.155 170 66 131 32.9 7.04 2.29 0.655 0.155 170 66 135 25.2 8.90 2.75 0.535 0.065 170 170 66 135 25.2 8.90 2.75 0.535 0.065 170 170 66 135 25.2 8.90 2.75 0.535 0.065 170							 	69		19.8	6.78	1,16	0.258	
48 95 44.9 9.18 0.120 71 141 11.3 1.48 0.200 0.115 49 97 56.1 17.3 1.68 72 143 5.39 0.590 0.165 0.015 50 99 67.2 26.9 4.67 0.175 0.035 73 145 2.21 0.090 0.040 0.015 100 30.5 28.2 8.93 1.00 0.055 148 0.015 0.015 102 0.135 74 147 1.00 0.020 52 103 115 32.9 9.63 2.48 0.255 148 0.150 0.155 53 105 148 42.6 12.5 2.90 0.520 150 0.150 54 107 183 56.1 14.2 2.14 0.440 0.470 77 153 0.591 0.68 0.470 77 153 0.591 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450 0.450 78 155 0.650 0.450	47		39.B	5.79			 	70		100	4.00	0 515	0 106	
96	48		44 9	9 18	0.120			-10		12.0	4.20	0.515	0.125	0.015
49 97 56.1 17.3 1.68 72 143 5.39 0.590 0.165 0.015	10		133.5	3.10	0.120			71		11.3	1.48	0.200	0.115	
98	49	97	56.1	17,3	1,68									
100								72		5.39	0.590	0.165	0.015	
51 101 03.5 28.2 8.93 1.00 0.055 74 148 52 103 115 32.9 9.83 2.48 0.255 148 104 15 32.9 9.83 2.48 0.255 149 0.150 53 105 148 42.6 12.5 2.90 0.520 150 54 107 183 56.1 14.2 2.14 0.440 76 151 55 109 200 55.7 11.3 2.26 0.470 77 153 55 109 200 55.7 11.3 2.26 0.470 154 110 108 45.9 10.9 2.29 0.405 156 110 108 45.9 10.9 2.29 0.405 156 112 112 0.375 79 157 57 113 171 44.4 12.2 2.53 0.450 158 </td <td>50</td> <td></td> <td>67.2</td> <td>26.9</td> <td>4.67</td> <td>0.175</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td>	50		67.2	26.9	4.67	0.175						<u> </u>		
102	-		30.5	00.0	0.00	1.00		73		2.21	0.090	0.040	0,010	
52 103 115 32.9 9.83 2.48 0.255 75 148 0.150 53 105 148 42.6 12.5 2.90 0.520 150 106 106 108 0.480 76 151 54 107 183 56.1 14.2 2.14 0.440 152 55 109 200 55.7 11.3 2.26 0.470 77 153 56 111 198 45.9 10.9 2.29 0.455 78 156 112 12 0.375 79 157 157 157 157 57 113 171 44.4 12.2 2.53 0.450 158 157 58 115 159 48.5 12.6 2.68 0.510 160 160 116 15 15 48.6 12.6 2.68 0.510 160 160 118	31		73.5	28.2	8.93	1.00		74		1 00	0.020	 	 	1
104	52		115	32.9	9.83	2.48		- 		1.00	9,020	 	 	
53 105 148 42.6 12.5 2.90 0.520 150 54 107 183 56.1 14.2 2.14 0.440 152 108 56.1 14.2 2.14 0.440 77 153 55 109 200 55.7 11.3 2.26 0.470 78 155 56 111 198 45.9 10.9 2.29 0.405 156 112 57 113 171 44.4 12.2 2.53 0.450 78 155 58 115 159 48.5 12.6 2.68 0.510 158 116 0.340 61 160 159 158 59 117 130 41.3 10.6 2.63 0.245 162 118 0.315 82 163 162 163 164 120 119 123 38.7 9.73 1.85 0.315		104						75		0,150	~			
54 107 183 56.1 14.2 2.14 0.440 77 153 55 109 200 55.7 11.3 2.26 0.470 78 155 56 111 198 45.9 10.9 2.29 0.455 79 157 57 113 171 44.4 12.2 2.53 0.450 158 114 0.470 80 159 158 159 158 114 0.470 80 159 158 159 15	53		148	42.6	12.5	2.90	0.520							
108			 	 -		<u> </u>		76			<u> </u>			
55 109 200 55.7 11.3 2.26 0.470 154 56 111 198 45.9 10.9 2.29 0.405 156 112 0.375 79 157 57 113 171 44.4 12.2 2.53 0.450 158 114 0.470 80 159 158 159 48.5 12.6 2.68 0.510 160 118 116 0.340 81 161 160 160 59 117 130 41.3 10.6 2.63 0.245 162 118 0.41.3 10.6 2.63 0.245 162 118 0.20 41.3 10.6 2.63 0.245 162 118 120 38.7 9.73 1.85 0.380 164 120 121 14 34.5 8.46 2.12 0.385 83 165 61 121 <td>54</td> <td></td> <td>183</td> <td>56.1</td> <td>14.2</td> <td>2.14</td> <td></td> <td>22</td> <td></td> <td><u> </u></td> <td></td> <td></td> <td> </td> <td>├</td>	54		183	56.1	14.2	2.14		22		<u> </u>			 	├
110	55		200	66.7	11.2	0.00		 		 -		 		
56 111 198 45.9 10.9 2.29 0.405 156 112 0.375 79 157 57 113 171 44.4 12.2 2.53 0.450 158 114 0.470 80 159 159 159 159 48.5 12.6 2.68 0.510 160 <t< td=""><td>1 · · ·</td><td></td><td>200</td><td>99.1</td><td>44.3</td><td>4.40</td><td></td><td>78</td><td></td><td></td><td></td><td> -</td><td> </td><td> </td></t<>	1 · · ·		200	99.1	44.3	4.40		78				 -	 	
112 171 44.4 12.2 2.53 0.450 158 114 0.470 80 159 58 115 159 48.5 12.6 2.68 0.510 160 116 0.340 81 161 161 59 117 130 41.3 10.6 2.63 0.245 162 118 0.315 82 163 162 162 162 118 0.315 82 163 162 162 162 162 163 164 162 163 164 162 163 164 164 164 164 164 164 164 164 166 166 166 166 166 166 166 166 166 166 168 167 168 168 168 168 168 168 168 168 168 168 168 168 168 170 170 170 16	56		198	45.9	10.9	2.29	0.405	<u> </u>				 	 	
114 0.470 80 159 58 115 159 48.5 12.6 2.68 0.510 160 116 0.340 81 161 59 117 130 41.3 10.6 2.63 0.245 162 118 0.315 82 163 60 119 123 38.7 9.73 1.85 0.380 164 120 0.385 83 165 61 121 114 34.5 8.46 2.12 0.395 166 122 0.450 84 167 62 123 102 26.0 6.50 1.57 0.405 168 124 0.295 85 169 63 125 72.9 17.6 4.78 0.925 0.200 170 128 0.150 86 171 64 127 48.6 11.5 3.51 0.825 0.115 172 128 0.080 87 173 65 129 41.0 8.63 2.97 0.595 0.085 174 130 66 131 32.9 7.04 2.29 0.655 0.155 176 176 132 0.145 89 175 176 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 00 179 179 68 135 25.2 8.90 2.75 0.535 0.050 180							0.375	79						
58 115 159 48.5 12.6 2.68 0.510 160 116 0.340 81 161 161 59 117 130 41.3 10.6 2.63 0.245 162 118 0.315 82 163 162 163 163 60 119 123 38.7 9.73 1.85 0.380 9.64 9.73 1.85 0.380 9.64 9.73 1.85 0.380 9.64 9.64 9.73 9.73 1.85 0.380 9.64 9.65 9.65 9.73 9.73 9.85 9.83 9.83 9.85 9.83 9.83 9.85 <td>57</td> <td></td> <td>171</td> <td>44.4</td> <td>12.2</td> <td>2.53</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	57		171	44.4	12.2	2.53								
116				<u></u>				80						
59 117 130 41.3 10.6 2.63 0.245 162 60 119 123 38.7 9.73 1.85 0.380 164 120 0.385 83 165 63 166 121 114 34.5 8.46 2.12 0.395 166 122 0.450 84 167 168 168 124 0.295 85 169 168 63 125 72.9 17.6 4.78 0.925 0.200 170 126 0.150 86 171 172 128 0.080 87 173 65 129 41.0 8.63 2.97 0.595 0.085 174 130 66 131 32.9 7.04 2.29 0.655 0.155 176 67 133 26.9 8.31 2.48 0.675 0.095 178 68 135 25.2	58		159	48.5	12.6	2.68					ļ	 		ļ
118	50		1.00	11.0	10.0	0.02		01		 -	 	 	 -	
60 119 123 38.7 9.73 1.85 0.380 9.64 9.385 83 165 9.385 83 165 9.73 1.85 0.380 9.64 9.73 1.85 0.380 9.73 1.85 0.380 9.73 1.85 0.380 9.73 1.85 0.380 9.73 1.85 0.385 83 165 9.73 1.85 0.385 1.85 0.385 1.86 9.73 1.85 0.385 1.86 9.73 1.85 0.465 1.86 9.73 1.85 0.465 1.86 9.73 1.86 9.73 1.85 1.86 9.75 0.200 1.70 <	1 38		130	41'5	10.0	2.03	0.245	82			 	 	 	┼─-
120 0,385 83 165 61 121 114 34,5 8,46 2,12 0,395 166 122 0,450 84 167 168 168 168 124 0,295 85 169 168 170 <td>60</td> <td></td> <td>123</td> <td>38.7</td> <td>9.73</td> <td>1.85</td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td> </td> <td> </td> <td> </td>	60		123	38.7	9.73	1.85				 		 	 	
61 121 114 34.5 8.46 2,12 0,395 166 122 0.450 84 167 168 168 168 124 0.26.0 6.50 1.57 0.405 168 168 124 0.295 85 169 170 170 170 126 0.150 86 171 172 172 172 172 172 172 173 172 173 174 173 174 174 174 174 174 174 174 174 176 176 176 176 176 176 176 176 176 176 176 176 176 176 176 177 178 177 178 178 178 178 178 178 178 179 180 180 180 180 180 180 180 180 180 180 180 180 180 180 1			-	1				83				 	1	
62 123 102 26.0 6.50 1.57 0.405 168 124 0.295 85 169 63 125 72.9 17.6 4.78 0.925 0.200 170 126 0.150 86 171 172 172 172 128 0.080 87 173 173 174 174 130 0.130 88 175 176 176 176 176 176 176 176 176 176 176 176 176 177 177 178 178 178 178 178 178 178 178 178 179 180 <td>61</td> <td></td> <td>114</td> <td>34,5</td> <td>8,46</td> <td>2,12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	61		114	34,5	8,46	2,12								
124 0.295 85 169 63 125 72.9 17.6 4.78 0.925 0.200 170 126 0.150 86 171 64 127 48.6 11.5 3.51 0.825 0.115 172 128 0.080 87 173 65 129 41.0 8.63 2.97 0.595 0.085 174 130 0.130 88 175 66 131 32.9 7.04 2.29 0.655 0.155 176 132 0.145 89 177 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 90 179 68 135 25.2 8.90 2.75 0.535 0.050 180								84		<u></u>	ļ	ļ		
63 125 72.9 17.6 4.78 0.925 0.200 170 126 0.150 86 171 172 64 127 48.6 11.5 3.51 0.825 0.115 172 128 0.080 87 173 173 174 174 130 0.130 88 175 176 176 176 176 176 176 177 178 178 178 178 178 178 179 180 </td <td>62</td> <td></td> <td>102</td> <td>26.0</td> <td>6.50</td> <td>1.57</td> <td>0.405</td> <td>- AE</td> <td>168</td> <td>}</td> <td></td> <td>↓</td> <td> </td> <td> </td>	62		102	26.0	6.50	1.57	0.405	- AE	168	}		↓	 	
126 48.6 11.5 3.51 0.825 0.115 172 128 0.080 87 173 65 129 41.0 8.63 2.97 0.595 0.085 174 130 0.130 88 175 66 131 32.9 7.04 2.29 0.655 0.155 176 132 0.145 89 177 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 90 179 68 135 25.2 8.90 2.75 0.535 0.050 180	82		720	17 4	4 79	0.025	0.295	1 22		ļ		 	 	
64 127 48.6 11.5 3.51 0.825 0.115 172 128 0.080 87 173 65 129 41.0 8.63 2.97 0.595 0.085 174 130 0.130 88 175 66 131 32.9 7.04 2.29 0.655 0.155 176 132 0.145 89 177 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 90 179 68 135 25.2 8.90 2.75 0.535 0.050 180	102		12.8	11.0	3.10	10.820		86		 	 	 	 	 -
128 0,080 87 173 65 129 41.0 8.63 2.97 0,595 0.085 174 130 0,130 88 175 66 131 32.9 7.04 2.29 0.655 0,155 176 132 0,145 89 177 67 133 26.9 8.31 2.48 0,675 0,095 178 134 0,060 90 179 68 135 25.2 8.90 2.75 0.535 0.050 180	64		48.6	11.5	3.31	0.825		- -	172	 	 -	 	 	
65 129 41.0 8.63 2.97 0.595 0.085 174 130 0.130 88 175 66 131 32.9 7.04 2.29 0.655 0.155 176 132 0.145 89 177 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 0.0179 68 135 25.2 8.90 2.75 0.535 0.050 180	<u> </u>		1	\	<u> </u>	1		87	173	<u> </u>	1			1
130 0.130 88 175 66 131 32.9 7.04 2.29 0.655 0.155 176 132 0.145 89 177 67 133 26.9 8.31 2.48 0.675 0.095 178 134 0.060 0.0179 68 135 25.2 8.90 2.75 0.535 0.050 180	65	129	41.0	8,63	2.97	0.595	0.085		174					
132								88					ļ	
67 133 26,9 8,31 2,48 0,675 0,095 178 134 0,080 0,080 0 179 68 135 25,2 8,90 2,75 0,535 0,050 180	66		32.9	7.04	2.29	10.655	0.155	-00			 	 	 	 -
134 0,080 00 179 68 135 25,2 8,90 2,75 0,535 0,050 180	F-67		1 000	\- <u> </u>		0 675	0.145	- ga			 	 	 	
68 135 25.2 8.90 2.75 0.535 0.050 180	101		₩ <u>₹</u> 6'¥	1 8.31	2.48	101012		-50		 -		 	 	
	68		25 2	8 90	2.75	0.535				 -			1	 -
	-	† · · · · ·		- MANUEL				91			1			

Table 5.2 (Continued)

DATE 11 JULY 1956 TIME 1200 - 1210 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO		A 1	RC		10. 10
		 ,											
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	S0m	100m	200m	400m	800m
46	91							136					0.055
	92						69	137	170	41,1	6.21	1.22	0.065
47	93 94	}					70	138	158	29.7	6.88	0.860	0.095
48	95	0.175						140	700	25.1	0.00	0.000	0.115
	96						71	141	137	24.3	7.76	0.690	0.090
49	97	0.590						142					0.100
	98						72_	143	117	24.3	7,74	0,700	0,070
50	99 100	3.69		ļ <u>.</u>			73	144	117	24.2	5.34	0.780	0.130
51	101	8.78			 -	 		146	117	24.2	5.34	0.780	0.135
	102	0.10					74	147	102	24.3	2.96	0.630	
52	103	15.5						148					
	104						75	149	97.5	27.6	3.32	0.600	
53	105	25.5		 _		<u> </u>	- 50	150		00.0	4 06	0.120	
54	106 107	36.3	0.070		 		76	151 152	110	28.2	4.05	0.120	
74	108	30.3	0.010				77	153	88.2	21.2	2.06	0.120	
55	109	39.0	0.890		 			154	00.2		0.00	<u></u>	
	110						78	155	80.7	11.4	1,19	0,190	
56	111	47.6	1.86					156		100	A 685	A 885	
57	112	\ -	1.00	105		 	79_	157 158	57.8	10.6	0.785	0,325	├
31	114	38.1	4,20	0.195	├		80	159	45.2	9 61	1.02	0.150	╂╾╾╌┪
58	115	38.7	8.73	D.485	0.110	 	- ""	160	30.2	- 0.01	1.02	0.133	
	116	1	1	7.55			81	161	31.2	6.84	1.82	0.035	
59	117	32.3	9.17	0.605	0.150			162					
	118						82	163	25.8	3.80	1.74		
6	119	38.7	10.3	D.825	0.095	0.040	83	164	20.3	1 05	0.775		├ ──┤
61	121	52.5	8.72	1 51	0.250	0.040	83	166	20.3	1.83	0.775	 -	
-	122	-	0.72	····	0.200	0.050	84	167	17.7	1.36	0.030	 -	
62	123	61.7	12.2	2.25	0.540	0,070		168			13.533		!
	124		L		i	0.070	85	[169]	12.8	1.16			
63	125	90.0	17.7	4.28	0,590	0.055		170			1.		
L	126	104	-00-0		0.500	0.050	_86	171	6.30	0.935			
64	127	124	30.0	0.82	0.560	0.90	87	172	3,68	0.490	 	 -	
65	129	161	37.4	11.4	0.820	0.090		174	2,00	0.100	 	 	
	130			[— · — · ·		0.120	88	175	1.50	0.055			
66	131	179	39.2	8.18	2.70	0.165		1176		1]	
<u></u>	132			1.0-3		0.175	89	177	0.335		ļ		
67	133	165	39.9	10.4	1.98	0.155 0.150	90	[178] [179]					∮· - →
68	134	164	43.1	10.1	1.28	0.125	 	[180] [149]	ļi	i		-	├
) - U"	1 . ==	}}-23	10.1		†=: * =	2	91	181)	} i	1	 	
	 -	 -	·	<u></u>	4	4			·		1	L	

Table 5.2 (Continued)

DATE 14 July 1956 TIME 0800-0810 CST

CONCENTRATION (mg m⁻³)

		 -					11011 (1		·			11011	NO. 11
POS1	NO.		A	RC			POST	NO.		Ai	RC		
Inner Arcs	800m arc	20m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100ш	200m	400m	300m
1	1							46					
	2						_24_	47					
2	3	 		 			25	48 49					
3								50					
	5 6 7						26	51					
4_	7 8		 	 	 	ļ	27	52 53					
_5	9							54					
	10						2,	55					
6	11	 	├	 -	 		29	56 57	<u></u>				
7	13		 	 	 	 	- 28	58		 -			
	14						30	59					
8	15 16		├	 		-	31	60 61	 -				
9	17	<u> </u>			 -			62			_~		
	18						32	63					
10	19		 	 -		ļ ——	33	64 65					
11	21	 	 	 	 	 	33	66					
	22						34	67					
12	23	 -	 	ļ	├		35	68 69	 			~	
13	$\frac{23}{25}$	}	 	 	 -	 	38	70		 -			
	26						36	71					
14	27			 	├	 	37	72	0.065				
15	28 29	╟	 -	 	 	 	∥_3'	74	0.005	 			
	30	()					38	75	0.535	0.025			
16	31	 -	 	 	 	ļ	39	76	2,39	0.180	0.070		
17	33		 	† 	 		1	78					
	34				1		40	79	6.95	0,610	0.055		
18	35 36	 	╁	 	 	 -	41	80 81	16.7	1.61	0.175	0.020	
19	37		1		<u> </u>			82					<u> </u>
	38						42	83	33.6	4.37	0.845	0.185	
20	39 46	 	 	 			43	84 85	63.9	14.6	2.86	0.440	
	41	<u> </u>	 -	· 	 		<u>-</u>	86					0.020
	12		1				44	87	113	28.4	6.47	1.35	0.095 0.235
27	43	 	 -	ļ	 - 	ļ	" - <u>a a -</u> -	88	167	49.7	: 11,78	1.76	0.235
23	45	 	 	 -	 -		45	$1^{-\frac{89}{90}}$	15'	10.1	11.0		430
<u></u> _	L	Li		.1	4	.1	·		U =	4 <u>-</u>	٠	L	لسستتنا

DATE 14 July 1956 TIME 0800-0810 CST

THE PERSON PRODUCT SECRETARY DESCRIPTION OF THE PRODUCT OF THE PRO

CONCENTRATION (mg m⁻³)

DO01	NO.						-		<u></u>				MO: 11
100	70.		Λ.	RC		,	POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100т	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	209	72.3	20.5	3,64	0.480		136					
<u></u>	92					0.950	69	137		ļ			
47	93	263	87.0	28.9	6.67	1.27		138			 		
<u> </u>	94		20.0	20.5		1.67	70	139		ļ	 		
48	95 96	273	89.3	29,5	7.61	1.68	71	140 141		 -	╂──┤		
49	97	269	83.0	27.7	7.10	1.42		142			 		
130	98	208	03.0	<u> </u>	7.10	1.02	72	143			 		
50	99	251	75.3	23.0	4.57	0.820		144			11		
	100	-				0.590	73	145					
51	101	204	56.6	11,6	2.46	0,383		146					
	102					0.225	74	147					
52	103	124	32.0	5.86	0.775	0.170		148					
 _	104					0.085	75	149	ļ	 	 		
53	105	68.3	13.8	1.54	0.245	0.015	7.0	150	<u> </u>		} 		
54	106	25 4	4,59	0.475	0.020	0.020	76_	151 152		 	 		
34	108	35.4	4.09	0.415	0.030	 	77	153		 	 		
55	109	19.4	0.800	0.030	0.020	 		154		 	 		
100	110	10.3	0.000	0.000	0.020		78	155		 	 		
56	111	5.87	0.070	0.020				156		f	 		
	112						79	157					
57	113	0.990	0.02					158					
	114						80	159					
58	115	0.080						160					
	116						81	161					
59	117	0.045	ļ	 		 	<u> </u>	162		ļ			
	118	 	 	 	 	 	82	163		 -	 		
60	119	}	 	├	 -	 	83	164 165		├	ļ		
61	120	 	 	 	 	 	 -	166	 	 	 -		
101	122	 -		 	 	 	84	167	 	ļ	 		
62	123	 		ļ	 -	 -	∯Ŭ-	168	 -	 	 -		
- <u></u>	124	 	·	 	· · · · · · · · · · · · · · · · · · ·	 	85	169	} -	+	1		
63	125	1	T	1	1	1		170	<u> </u>	1	1		
\- -	126		1	 	1		88	171	<u> </u>	1	T		
64	127		L	L	I			172			1		
	128					<u> </u>	87	173		ļ	 		
65	129	 				ļ		174	 	ļ	 		
1	130	il	.)				88	175		J	 	ļ	
66	131	 	ļ -				1 · 00	176 177		4		·	- -
C.T	132			 			89	178	}	 		·	
67	133			- "	-	ļ	90	1179	}	·	· 		
ĞB	135	 	··-		 	†	ii	180	··-		·	 	- · · ·
1 90	1 4 9 9	∦ - ··	 		† -	-	91	1181	··	† -	1	 	-
		ш	_	-	ــــــــــــــــــــــــــــــــــــــ		41		ال				L

DATE 14 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

		···											
POST	r NO.		A	RC			POST	NO.		AF	₹C		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1_							46					
	3						24	47					
2	3		 	ļ <u>.</u>	 _		 	48			+		
3	5			 	├		25	49 50			-	 +	
- -	6				 		26	51					
4	8		 					52					
	8						27	53					
5	9		<u> </u>				il	54					
	10	ļ	 	ļ	 		28	55 56					1
6	11	 			 -	 -	29	57					
7	13	╟	┼	 	 			58			-		
<u> </u>	14			 	t		30	59					
8	15							60					
	16						31	61					
9	17	<u></u>					 	62 63					
10	18	 	 	 		 -	32	64					
10	20	 	┽──	 	 -	 	33	65					
11	21	₩	+-	†	 		╢╌╌	66 1					
	22						34	67					
12	23						<u> </u>	68 69					
	24	 	 	 	 	 	35	70					
13	25 26	}	┼	 	 	 	36	71					
14	27	 	+	 	 	 		71 72 73			-		
	28						37	73					
15	29							74	ļ				
	30	∦			 	 	38	7 <u>5</u>	 	 	 -		
16	31	·	 		 	 	39	77	0.115	 			
17	33	╢──	+	+	 	<u> </u>		78	V. ***				
	34	 	1	1			40	79	1.39				
18	35						1	80			<u> </u>		
	36	.	J		 -	 	41	81	4,95	0,105	 -		
19	37	 	 	 	 	+	42	82	5.28	1.50		 -	
20	38	∦	 	+	 -	 	- 42 -	84	J. 20	1.30	 -		
20	40	∦		+	+	+	43	85	10.3	3.23	 	 	
21	41	1	+	 		 	- - -	86			I	1	
	42		1				44	ช7	20.1	5.00	0.095		
22	43						1	88_		 	ļ	-	
	44			4		 	45	89	39.8	8.40	1.75	0.030	
23	45	<u> </u>	_L	1	<u> </u>	ا		1 00	Щ	L	i	L	L

Table 5.2 (Continued)

DATE 14 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

The color of the			, 		_		2111100		PC .		<u> </u>	Γ NO.	POST
46	IRC			NO.	t' l	POST			~~	^			
92		100m	50m	arc		Inner Arcs	800m	400m	200m	100m	50m	800m arc	Inner Arcs
47 93 84.0 25.7 6.96 1.49 0.115 0.380 70 139 48 95 92.7 24.5 7.87 1.78 0.470 140 96 96 86.7 26.3 7.02 1.67 0.450 142 98 98								0.320	3.76	18.9	67.7	91	46
94	┼—					69	0.040		0.00	05.0	04.0		45
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	┿					70		1.49	6.96	25.7	84.0		47
96	┼-					-10		1.78	7.67	24.5	92.7		48
Section Sect	1			41	1	71						96	
50 99 100 36.0 9.17 2.13 0.510 73 144 51 101 130 47.0 16.0 3.55 0.770 146 102 103 173 57.2 18.2 5.03 1.22 148 52 103 173 57.2 18.2 5.03 1.22 148 53 105 216 61.5 20.6 5.46 1.49 150 108 108 1.58 76 151 150 150 54 107 218 58.7 19.1 4.97 1.54 152 150 55 109 186 60.0 19.6 4.18 1.04 154 154 155 155 156 111 168 53.9 17.2 3.44 0.310 156 157 133 129 44.6 10.7 2.08 0.075 158 156 157 158 156 158	\perp							1.67	7.02	26.3	86.7		49
100	┿					72		2.10		00.0	100	98	
51 101 130 47.0 16.0 3.55 0.770 74 147 52 103 173 57.2 18.2 5.03 1.22 148 148 5 104 104 1.48 75 149 149 149 150 149 150 140 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 140 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	┼					-7 5-1		2.13	9.17	36.0	109		20
52 103 173 57.2 18.2 5.03 1.22 148 104 104 1.46 75 149 53 105 216 61.5 20.6 5.46 1.49 150 106 106 1.58 76 151 150 150 54 107 218 58.7 19.1 4.97 1.54 152 152 108 1.58 76 151 154 152 153 154 154 152 154 154 154 155 155 153 154 154 154 154 154 154 154 154 154 154 154 144 154 154 155 155 155 156 151 154	+	 					0.770	3.55	16.0	47.0	130		51
52 103 173 57.2 18.2 5.03 1.22 148 53 105 216 61.5 20.6 5.46 1.49 150 54 107 218 58.7 19.1 4.97 1.54 152 108 1.34 77 153 155 55 109 186 60.0 19.6 4.18 1.04 155 51 110 0.580 78 155 155 156 110 0.130 79 157 157 157 157 158 112 0.130 79 157 158 158 158 158 158 158 158 158 158 158 158 158 158 158 158 158 158 158 159 158 158 159 158 158 158 158 158 160 160 160 160 160 160 160 <td></td> <td></td> <td></td> <td>47</td> <td>1</td> <td>74</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>102</td> <td></td>				47	1	74						102	
53 105 216 61.5 20.6 5.46 1.49 150 54 107 218 58.7 19.1 4.97 1.58 76 151 108 108 109 186 60.0 19.6 4.18 1.04 154 110 0.580 78 155 78 155 56 111 168 53.9 17.2 3.44 0.310 156 112 0.130 79 157 158 155 158 114 0.060 80.075 158 158 158 158 58 115 107 31.4 5.25 0.340 160 81 161 59 117 78.2 13.6 2.83 162 162 162 118 60 119 48.8 5.03 0.735 164 164 164 120 83 165 166 166 166 16	oxdot						1.22	5.03	18.2	57.2	173		52
106	╄	 -				75			20.2	44.6			
54 107 218 58.7 19.1 4.97 1.54 152 108 1.34 77 153 77 153 55 109 186 60.0 19.6 4.18 1.04 154 110 0.580 78 155 156 156 156 112 0.130 79 157 158 157 158 157 158 157 158 158 159 157 158 159 160 150 150 150 100 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	+-	 		50	1:	78	1.49	5.46	20.6	61.5	216		23
108	╁	l						4 97	19 1	58.7	218		54
55 109 186 60,0 19,6 4,18 1.04 154 110 110 0.580 78 155 56 111 168 53.9 17.2 3,44 0,310 156 112 0.130 79 157 158 114 0.060 80.075 158 114 0.060 80 159 58 115 107 31.4 5.25 0.340 160 59 117 78.2 13.6 2.83 162 162 118 82 163 82 163 164 120 83 165 83 165 164 121 27.2 2.70 0.040 166 168 168 124 84 167 84 167 168 170 62 123 12.7 0.085 170 170 168 171 170 170 170	+-					77		3.01	,,,,,	00.1	-		-
56 111 168 53.9 17.2 3.44 0,310 156 57 113 129 44.6 10.7 2.08 0.075 158 114 0.060 80 159 160 58 115 107 31.4 5.25 0.340 160 116 81 161 160 160 59 117 78.2 13.6 2.83 162 118 82 163 82 163 60 119 48.8 5.03 0.735 164 120 83 165 83 165 61 121 27.2 2.70 0.040 168 122 84 167 85 169 63 125 12.7 0.085 170 64 127 0.235 86 171 65 129 0.330 87 173 65 129				54	1		1.04	4.18	19,6	60.0	186		55
112 0.130 79 157 57 113 129 44.6 10.7 2.08 0.075 158 114 0.060 80 159 158 58 115 107 31.4 5.25 0.340 160 116 0.080 81 161 160 59 117 78.2 13.6 2.83 162 118 0.00 82 163 162 120 0.164 164 164 164 120 0.27.2 2.70 0.040 166 166 122 0.27.2 2.70 0.040 168 168 124 0.590 168 169 168 63 125 12.7 0.085 170 170 64 127 0.235 86 171 172 128 37 173 38 174 174 65 129 0.330 88 175 174	\perp					78						110	
57 113 129 44.6 10.7 2.08 0.075 158 114 0.060 80 159 160 58 115 107 31.4 5.25 0.340 160 116 116 81 161 160 59 117 78.2 13.6 2.83 162 118 82 163 82 163 60 119 48.8 5.03 0.735 164 120 83 165 83 165 61 121 27.2 2.70 0.040 166 122 84 167 168 168 124 85 169 170 63 125 12.7 0.085 170 128 86 171 172 64 129 0.330 87 173 65 129 0.330 88 175	┼			56	11	70		3,44	17.2	53.9	168	111	56
114 0.060 80 159 58 115 107 31.4 5.25 0.340 160 116 81 161 59 117 78.2 13.6 2.83 162 118 82 163 60 119 48.8 5.03 0.735 164 120 83 165 61 121 27.2 2.70 0.040 166 122 84 167 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 87 173 128 87 173 65 129 0.330 174 88 175 188 175	┼	 				-18		2.09	10.7	44 6	129		57
58 115 107 31.4 5.25 0.340 160 59 117 78.2 13.6 2.83' 162 118 82 163 162 60 119 48.8 5.03 0.735 164 120 83 165' 166 61 121 27.2 2.70 0.040 166 122 84 167 168 62 123 12.1 0.590 168 124 85 169 170 63 125 12.7 0.085 170 126 86 171 172 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	╅╾-					80		2.00	10.1	33.0	125		- -
116 81 161 59 117 78.2 13.6 2.83 162 118 82 163 60 119 48.8 5.03 0.735 164 120 83 165 166 61 121 27.2 2.70 0.040 166 122 84 167 168 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 172 64 127 0.235 172 128 87 173 65 129 0.330 174 88 175	_							0.340	5,25	31.4	107		58
118 48.8 5.03 0.735 164 120 83 165 61 121 27.2 2.70 0.040 166 122 84 167 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175						81							
60 119 48.8 5.03 0.735 164 120 83 165 61 121 27.2 2.70 0.040 166 122 84 167 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	\bot	ļ							2.83	13.6	78.2		59
120 83 165 61 121 27.2 2.70 0.040 166 122 84 167 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	┿	ــــــــــــــــــــــــــــــــــــــ				82			0.705	5 00	1-10-0-		-00
61 121 27.2 2.70 0.040 166 122 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	┼~	 				-83	{		0.735	5.03	48.8		00
122 84 167 62 123 12.1 0.590 168 124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	+	 -							0.040	2.70	27.2		61
124 85 169 63 125 12.7 0.085 170 126 86 171 64 127 0.235 172 128 87 173 65 129 0.330 174 130 88 175	1	i	-			84						122	
63 125 126 86 64 127 128 172 65 129 130 174 88 175										0.590	12.1		62
126 86 171 64 127 0,235 172 128 87 173 65 129 0,330 174 130 88 175	1_					85				2 22	 		
64 127 128 87 65 129 130 174 88 175	┵									0.085	12.7		63
128 65 129 130 0,330 88 175		} -				80		}- ··- <u>-</u>		ļ	0 225		84
65 129 0.330 174 130 88 175	+	 				87		 -	 	 	10.832		- " -
130	1			74	lī					t	0,330	129	65
				75	11	88						130	
66 131	4_	ļ						L		ļ	 -		66
67 132 177 178	+	├				89			ļ	ļ	- -	$\frac{132}{132}$	67
07 133 90 179 90 179	+-					<u>- 50</u>			 	 	- 		<u> </u>
GU 135 180	+-	† 								† 	 		68
91 181	T					91							· · · ·

Table 5.2 (Continued)

DATE 22 July 1956 TIME 2000-2010 CST

CONCENTRATION (mg m⁻³)

							,					-11011	NO.13
POST	NO.		A	RC			POST	NO.		A!	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47					
2	3		 	 	ļ		25	48 49				 	
3	5							50					
	6						26	51					
4	7 8		 -	 -		 -	27	52 53					-
5	9		 					54	 -				
	10						28	55					
6	11		ļ	ļ				56					
7	12		 	 	 	 	29	57 58					
<u> </u>	14				 -		30	59					
8	15							60					
9	16		 		 	 	31	61 62					
-	18		 		 		32	63					
10	19							64					
	20	ļ	 				33	65					
11	21 22		 	 	 	├	34	66 67		 			
12	23		1					68					
- 10	24			<u> </u>			35	69					
13	25 26	 	 	 -	 	 	36	70 71					-
14	27	 	 	 -	 	 		72	 				
	28						37	73					
15	29 30		ļ	 	 -	}	38	74 75	 	ļ	L		
16	31		 	}	 	 	1 30	76					
	32						39	77	0.065				
17	33		 		 	 	40	78 79	0.100				
18	34 35		 	 -	 	 	40	80	0.100	 			
	36						41	81	0.395	0.455			
19	37					ļ		82	A #AA	0.00			
20	38 39	 }	·	 	 -	 	42	83 84	0.790	2.62	 	<u> </u>	
-20	$\frac{1}{40}$		 			 -	43	85	3.45	6.96			
2	41							86					
	12				ļ	ļ	44	87	10,3	13,8			
22	$-\frac{43}{41}$	 		·	 	 -	45	88 89	24.6	120	0.365		
23	45		 	- 	 -	 	: =-	700	13.0		0.505	-	
	٠٠ ــــــ ــــــــــــــــــــــــــــ	44		k		· k			1 h			·	

Table 5.2 (Continued)

DATE 22 July 1956 TIME 2000 - 2010 CST

CONCENTRATION (mg m⁻³)

POST	NO.			RC			POST		<u> </u>				NO. 13
		ļ		· · · · ·			PUST	NO.		,	ARC		
Inner Arcs	800m arc	50m	100m	200m	400m	800ra	Inner Arcs	800m arc	50m	100m	200ш	400ш	800m
46	91	103	246	30.2				136					
	92		221			 	69	137		ļ			
47	93 94	87.3	281	87.1				138		├	╺╁╾╼╾╅		
48	95	114	419	287	7.25		70	139 140		 	- 		
70	96	114	713	201	1.23		71	141		 	1		
49	97	174	330	490	53.0	0.035		142		 	1		
	98					0.460	72	143			1		
50	99	174	227	253	113	7.93		144					
	100					20.9	73	145					
51	101	161	146	141	58.8	17.6		146	L	 			
52	102	141	104	118	51.5	17.9 17.7	74	147		}	1		
32	104	171	104	110	31.3	15.7	75	149	 	 	+		
53	105	105	82.4	127	60.3	18.4		150		+	+		
	106					24.3	76	151					
54	107	83.3	76.4	130	77.0	32.7		152					
	108					47.2	77	153	<u> </u>	1			
55	109	60.0	65.4	138	98.3	74.6	▎ ┢╼ <u>╸</u> ╼	154		 			
	110	1	40.0			90.1	78	155		 			
56	111	40.4	49.1	122	131	104	79	156 157	 	 	+		
57	113	25.5	36.5	78.3	115	74.3 44.5	 -	158	<u> </u>	 	 		
<u> </u>	114	25.5	30.5	10.5	115	0.375	80	159	ļ	 	+ - 1		
58	115	16.5	24.9	35.0	30.3	0.030	 	160		1	1		
	116					0.025	81	161					
59	117	13.1	14.0	8.83	0.275			162					
	118	<u> </u>			L		82	163					
60	119	10.8	5.39	1,33	0.020	↓	<u> </u>	164		 			
	120			0.050		 	83	165 166					
61	121	5.70	1.41	0.050		 -	84	167	<u> </u>	· }			
62	123	2.87	0.175		 	 		168	<u> </u>	+ -	 -+		
-	124	1 2.01	10.2.0		j.——-	 	85	169		┼	+		
63	1 125	1.09	 					170 1		7	11		
	126 127		T		 	1	86	171	i			1	
64	127	0.295	1			1		172				1	
	128		<u> </u>		L		87	173		<u> </u>			
65	129	0.075	l	ļ		 	66	174					
100	130	 		ļ	\ 	 	85	175 176		·	- 		
66_	$\frac{131}{132}$	ļ	 	·	l ——	 	89	177		-			
67	133	╬──~	 	ļ ·	 	 	- <u></u> -	178	·	+			
	134		 	 -		†	90	1179	:	 	1		
68	135						!	1180				1	
					L		91	181					

DATE 22 July 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		AI	RC		
Inner Arcs	800m arc	50m	100ш	200m	400m	800ш	Inner Arcs	800m arc	50m	100т	200m	400m	800m
1	1		-	-				46					
	2						24	47					
2	3							48					
	4						25	49	0.110				
3	5_			 	ļ	ļ	 	50		i			
	6	<u> </u>	 			ļ	26	51	0.145	 			
4	7		-	 				52	0.010				
5	8	-	+	+	 -		27	53 54	0.210				
	10		 	+		 	28	55	0,260				
6	11		 	+	 	 	1 - €° -	56	0,200				
<u> </u>	12		 	 		-	29	57	0.315	-			
7	13						1	58	-				
	14		1				30	59	0,390				
8	15							60					
	16						31	61	0.600	0.040			
9	17			<u> </u>]	62					
	18_						32	63	2.70	0.080			
10	19		 _				 	64	ļ				
	20	l		ļ	ļ		33	65	18.3	0,115			
11	21 22		 			 	 	66	45.0	0.055			
12	23	∤	-	 	 	 -	34	67	45.6	0.355			
12	24	∥	 	 	├	 	35	69	68,9	7.53	0.015		
13	25	∤	 		╁╾	 	1-33	70	00.8	1.00	0,015		
	26	 	 	+	 	 	36	71	143	61.4	0.085		
14	27	j		+			1	72	1	102.5	3,545		
	28	1		 	T		37	73	255	168	4.84		
15	29]						74					
	30						38	75	455	312	46.4	0.020	
16	31				L	ļ	 	76			 		
	32	 			 	 	39	77	611_	570	131	3.32	
17	33	 	 		i	i —	 	78	1 000	000	100	02 1	·
18	34	{ 	+-		 	 	40	80	680	822	402	23.1	
10		¦}	 		 	 	41	81	702	707	402	146	0.450
19	36 37	ļ -	+		 	 	┪ ~	82	106	*X	376	1 30	2.13
1.5	38	 	+		+	1	42	83	552	339	93.8	115	7.37
20	39	<u> </u>	 	 -	1	1	1	84	1				17.0
	40	╂━━━	+	+	 	1	43	85	426	67.4	5.87	25.8	21.6
21	41	1	 	1.	1			86					5.77
	42						44	87	228	7.50	1.83	14.4	4.42
22	43							88					3.92
	44				L		45	89	101	3.15	1.49	8.18	2.78
23	45				<u> </u>	<u> </u>	<u> </u>	90	L	L	L	L	2.75

Table 5.2 (Continued)

DATE 22 July 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

						ENIKA	11011	ing in	,			RUN	NO. 14
POST	Γ NO.		Al	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Luner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	9.69	2.54	1.20	0.335	2.83_		136					
	92					2,28	69	137					
47	93	4.28	2.07	1.13	3.47	2,64	- 50	138		 	 		
48	94 95	3.68	1.80	0,930	1 70	2.90 3.17	70	139 140			 		
70	96	3.08	1.00	0,330	1.13	3.33	71	141					
49	97	3.51	2.00	0.830	1.18	3.43		142					
	98					3.49	72	143					
50	99	3.44	1.95	0,850	0,860	2.96		144	ļ	ļ	├		
51	100	241	1.86	0.000	0.600	1.88	73	145		 		∤	
1 31	102	3.41	1.00	0.900	0.620	1,38	74	147		 	 		
52	103	4,05	1.94	1,02	0,450	1.28		148	<u> </u>				
	104	1	1,1			1.22	75	149					
53	105	3.90	2.07	1.23	0.460	0.775		150					
<u> </u>	106	 			 	0.480	76	151	ļ	ļ	 		
54	107	3.81	2.19	1.29	0.465	0.460	77	152 153		 			
55	108	3.51	2.03	1.10	0.385	0.305 0.185		154	<u> </u>	 	╂╼╌╼╌╽		
1-2	110	3.31	2.03	1.10	0.363	0.150	78	155		 			
56	111	2.81	1.79	0.940	0.300	0.090		156					
	112					0.060	79	157					
57	113	2.12	1.62	0.760	0.240	0.025		158					
	114	↓				ļ	80	159	<u> </u>	 			
58	115	1.50	1.34	0.570	0.155	 -	81	160		 			
59	116	1.06	0.985	0.415	0.090	 	01	161 162		ļ			
35	118	1.00	0.863	0.413	0.090	 	82	163		 	 		
60	119	0.725	0.730	0.180	1	 		164		1	!		
	120						83	165					
61	121	0.450	0.350	0.030				166					
	122	l	ļ <u>.</u>		 	ļ	84	167		 			
62	123	0.180	0.055		i	ļ	i	168	ļ	}	 		
63	124	0.070			∤	 	85	169 170		·}	 		
63	125	0.070	· · · · -	 	···	·	86	171	 	 	 		
64	127	1	†		+ -	·	<u>-</u>	172		 	 		
	128				!		87	173				1	
65	129						il	174					
	130	 			į	·	88	175	L	ļ. ——-			
66	$\frac{131}{132}$	 	1				89	[176] [177]	}	ļ	 		
67	132	}			·	·	}}- ° ≥	178	};··· ·	·	 -	··	
1-2:	134	 -		 			∯ - ₉₀	179~					
-ē8	135		1	 1	1_1	1		180	li	<u> </u>			
]	J	1	91	181	li	·			

Table 5.2 (Continued)

DATE 23 July 1956 TIME 0800-0810 CST

CONCENTRATION (mg m⁻³)

1 1 2 24 2 3 4 25 49 3 5 50 6 26 4 7 8 27 5 9 10 28 5 9 10 28 5 9 12 29 7 13 14 30 8 58 14 30 8 58 14 30 8 58 14 30 8 58 16 31 9 17 18 32 10 19 20 33 11 21 22 34 66 34 67	400m 800m
1 1 2 24 2 3 4 25 49 3 5 50 6 26 4 52 8 27 5 9 10 28 5 9 10 28 5 9 12 29 7 13 14 30 8 58 16 31 9 60 17 62 18 32 10 64 20 33 11 21 22 34 66	400m 800m
2 3 4 25 3 5 6 26 4 7 8 27 5 9 10 28 56 29 7 13 14 30 8 58 12 29 7 13 14 30 8 58 14 30 8 58 14 30 8 58 14 30 8 60 16 31 9 17 18 32 10 19 20 33 11 21 22 34 66 34 67	
2 3 4 25 3 5 6 26 4 7 8 27 5 9 10 28 56 29 7 13 14 30 8 58 12 29 7 13 14 30 8 58 14 30 8 58 14 30 8 58 14 30 8 60 16 31 9 17 18 32 10 19 20 33 11 21 22 34 66 34 67	
4 25 49 3 5 50 6 26 51 4 7 52 8 27 53 5 9 54 10 28 55 6 11 58 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
3 5 6 26 4 7 8 27 5 9 10 28 56 11 12 29 7 13 14 30 8 58 14 30 8 59 16 31 9 17 18 32 10 64 20 33 11 21 22 34	
6 26 51 4 7 52 8 27 53 5 9 54 10 28 55 6 11 58 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
8 27 53 5 9 54 10 28 55 6 11 56 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
8 27 53 5 9 54 10 28 55 6 11 56 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
5 9 10 28 6 11 12 29 7 13 14 30 8 59 16 31 9 17 18 32 10 19 20 33 11 21 22 34	
6 11 12 29 7 13 14 30 8 15 16 31 9 17 18 32 10 19 20 33 11 21 22 34 66 34 67	
12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
7 13 14 30 8 15 16 31 9 17 18 32 10 19 20 33 11 21 22 34	
14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	
8 15 16 31 9 17 18 62 10 19 20 33 11 21 22 34 66 34	
16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67	_
9 17 18 32 10 19 20 33 11 21 22 34	
10 19 64 33 65 11 21 66 34 67	
20 11 21 66 22 34 67	
11 21 66 34 67	
22 34 67	 -
	
12 23 68	
24 35 69	
13 25 70	
26 14 27	
28 37 73 0.025	
15 29 74 0.020	
38 75 1.25	
16 31 76 32 39 77 7.40	
32 39 77 7.40 78 78 7.40 78 78 78 78 78 78 78 7	
17 33 40 79 9.69	
18 35	
36 41 81 16.2 0,025	
19 37 82	
38 42 63 28.2 0.190	
20 39 84	
40	
41 42 44 87 31.1 4.38	
22 43	_
45 89 20.6 5.06	
23 45	

Table 5.2 (Continued)

DATE 23 July 1956 TIME 0800-0810 CST

CONCENTRATION (mg m⁻³)

						ENTRA	11011 (mg m	, <u>,</u>			RUN	NO.15
POST	r no.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800т
46	91	19.7	13.5					136					
	92			0.405			69	137	4.31	2.76	0.135		
47	93	29.1	6,12	0,165		 -	70	138	0.860	0.200	┝╌╼┤		
48	95	41.1	4.11	0.435			- 10	140	0.000	0.200			
	96						71	141	0.040				
49	97	70.1	7.17	0.740	0.035			142					
50	98	99.6	15.6	0.050	0.030		72	143					
30	100	33.0	13.0	0.330	0.030		73	145		 -			
51	101	146	21,6	2.26	0.110			146					
-	102						74	147					
52	103	197	38.6	3.89	0.335	0.005	75	148	 _				
53	104	245	53.3	5,74	0,500	0.065	75	149		 -	┝──┤		
-	106	233	33.3	J, 13	0.300	0.205	76	151					
54	107	291	75,9	8.52	0.930	0.365		152					
ļ	108	ļ				0,410	77	153					
55	109	336	75.9	14.5	1.23	0.470	78	154	ļ				
56	110	414	80.4	21.1	2.44	0.460	10	155 156	ļ -		 -		
1	112	343	00.4	21.1	<u>+:33 </u>	0.360	79	157		 -	tt		
57	113	414	107	21.7	3.91	0.465		158					
	114					0,535	80	159					
58	115	408	100	20,6	4.78	0,495	- 01	160		 			
59	116	353	88.2	21.6	3.76	0.450 0.445	81	161 162		 	 		
- 33	118	333	00.4	21.0	3.10	0.415	82	163		 	 		
60	119	249	76.5	19.6	2.25	0.410		164					
	120					0.310	83	165]
61	121	222	61.5	15.0	2.32	0.245		166	 	ļ			
62	122 123	201	-150	12.2	2 00	0.175	84	167 168	 	ł	 		
- 02	124	201	48.0	12.3_	2.09	0.270	85	169		 			
63	125	125	38.4	9.61	0.530	0.220		170		<u> </u>			
	1126]	ļ — — ·		0.270	86	171					
<u>£4</u>	127	111	30.6	7.59	0.520	0.220	-	172	 	 -			
65	$\begin{array}{ c c }\hline 128\\\hline 129\\\hline\end{array}$	86.1	19.7	6 00	0.780	0.255	87	$\frac{173}{174}$			 		
- 55	130	1 20.1-	13.1	0.90	19:100	0.045	-88	175	 -		 		
66	131	1.46.2	17.1	4.94	1.11		89	176 177		†			
67	133	34.4	11.9	4.11	0.415	↓	i	178	- -	 	 -		
- <u></u>	134	1 22.7		-	:	1	90	179			1		
68	135	16.5	4.95	0.870	0.070]		160)				
L	<u> </u>	<u>!'</u>	<u>i</u>		<u>i</u>	1	91	181	<u> </u>	1	L	<u> </u>	

Table 5.2 (Continued)

DATE 23 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

		Т					TION (I	— т	, 		·		NO'10
POST	г ио.		A	RC			POST	NO.		Α.	RC	·	
Inner Arcs	800m arc	50m	100m	200m	400m	m008	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1	i ·		·				46					
	2						24	47					
2	3							48				ļ	
3	3 4 5	<u> </u>	ļ				25	49		 	 	<u> </u>	
-3	6						26	50 51	 	 		 	
4	7	l					20	52		 			
	8						27	53					
5	9							54	 	 	 		
6	10	 					28	55 56		ļ		 	
-	12						29	57		 		 	
7	13	<u> </u>					-20	58		 	 		
	14						30	59		1			
8	15							60					
	16		ļ				31	61	<u> </u>		ļ		
9	17 18	ļ					32	62 63	}	 	 		
10	19						32	64		 			
	20		l				33	65	1.10		 	 	
11	21							66					
	22						34	67	10.3	ļ		ļ	
12	23 24						35	68 69	20.0	0.035			ļ
13	25						-33	70	20.0	0.033		 	
	26						36	71	29.9	0.110			
14	27							72					
1.5	28 29	ļ	ļ				37	73	39.9	0.550			
15	30						38	74 75	48.0	2.25	<u> </u>	ļ	
16	31		ļ				-00	76	10.0	2.20	 	 	
	32						39	77	64.1	7.17	0.025		
17	33							78		1			
10	34	ļ					40	79	84.8	12.3	0.030		
18	35 36						41	80 81	125	20.7	0,375	 	
19	37						71	82	160	40.1	0.313		
	38	<u> </u>					42		136	21.6	1.71		
20	39							84					
	40						43	85	143	30.3	1.74	ļ	
21	41 42						44	86	179	32.7	2.69		
22	43	 -					34	88	119	34.1	2.09		
	44	 					45	89	182	34.4	3.82	0.085	
23	45							90					

DATE 23 July 1956 TIME 1000-1010 CST

CONCENTRATION (mg m⁻³)

POST	г ио.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200ш	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	165	29.7	5.14	0.075	0.015	- 00	136					
47	92 93	143	26.9	6.36	0,625	0.030	69	137 138	3.08	0.140	0.015		
171	94	143	20.5	0.30	0,023	0.040	70	139	1.33	0.035	 		$\neg \neg$
48	95	155	24.0	6.39	0.345	0.045		140		3,13,13			
	96					0.045	71	141	0.055	0.025			
49	97	121	21.6	5.16	0.340	0.045		142					
50	98 99	110	000	0.00	0.100	0.035	72	143	0.025		 		
1-30	100	118	22.8	3.62	0.190	0.030	73	144			 		+
51	101	116	21.9	2.54	0.150	0.015		146	-				
	102					0.015	74	147					
52	103	103	15.6	1.86	0.245	0.045		148					
	104	<u> </u>				0.050	75	149			 		
53	105	93.9	15.5	1.27	0.190	0.045	76	150 151			 		
54	107	82.1	13.8	0.635	0.215	0.030	10	152			 		
<u> </u>	108	28.3	10.0	9.000	0.210	0.040	77	153			11		
55	109	80.9	12.8	1,04	0,235	0.045		154					
	110					0.080	78	155					
56	111	81.3	11.8	1.89	0.190	0.070	<u> </u>	156					
57	112	71.7	100	1.32	0.585	0.075	79	157 158		ļ <u>.</u>			
137	114	11.7	10.8	1.32	0.585	0.040	80	159			1		
58	115	61.2	9.26	2.41	0.715	0.050		160	 		 		
	116	1	1			0.065	81	161					
59	117	84.3		2,89	0.905	0.035		162					
	118]	,	L	ļ	0.075	82	163					
60	119	39.0	24.9	4.03	0.955	0.045	<u> </u>	164	 				
61	120	87.0	22.5	4.40	0.625	0.030	83	165 166	ļ	 			
01	122	101.0	22.5	1.10	0.023	 	84	167			 		
62	123	74.7	23.1	4.42	0.695	ļ	 -	168		ļ	 -		
	124	1	1	1, 25	2427	1	85	169					
63	125	58.8	15.9	350	0.380			170					
	126	I	 _		ļ <u>.</u>	ļ	_86	171		 _	 		
64	127 128	48.6	10.8	2.49	0.135	ļ	87	172 173			∤		
65	128	35.7	8.49	0.865		 -	<u> </u>	174	ļ-·	 	╁┈╾╌┤		
100	130	100.1	0.43	2,500		1	88	175	 		 -		
66	131	27.8	3.08	0.475	1		1	175		1			
	132]	Ţ. _ .	j	<u>}</u> .	<u> </u>	89	177		ļ			
67	133	22.8	1.38	0.240		1 -	- 00	178					
100	134	1.40	0.000	0.005		·	 90	179	∦ . –	}			
<u> 68</u>	135	14.8	0.930	0.025	† • • • •		. 91	180 181	{} · ·	ł	+		
<u> </u>	1	ш	<u> </u>	L	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	11 2,	L	II		١١	L	لا

Table 5.2 (Continued)

DATE 23 July 1956 TIME 2000-2010 CST

CONCENTRATION (mg m⁻³)

Boss	r no.	· · · · · ·		200			7000		r				10.17
PUS	NO.		, A	RC			POST	NO.		AI	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	190m	200m	400m	800m
1	1							46					
	2						24	47					
2	3		 					48	-				
3	5	 					25	49 50					{
	6		 				26	51					
4	7							52					
	8	 	 		 -		27	53		 			
5	10	 	 		 		28	54 55	 				
6	111	 	 		 	 		56					
	12						29	57					
7	13	 	ļ					58					l
8	14 15	 	 	 			30	59 60	 				
	16	 -	 	 	 -	 	31	61					
9	17							62					
	18						32	65					
10	19 20	 	 		 	 	33	64 65	 	 			
11	21	 	+		 	 	33	66	 				
	22		+	1	 		34	67					
12	23							68					
1-12-	24	 -		ļ	 		35	69 70	 			 	
13	26	{} -	 	 	 	 	36	71	 	 			
14	27	<u> </u>	 	 -		 	- 	72					
	28						37	73	0.160				
15	29	 	 	 	 		- 	74	 	-			
16	30	 	 	 	 	 	38	75 76	1.40	0.030			
1	32	 	 	 	 	 	39	77	20.1	0.345			
17	33							78]				
	34		-	-			40	79	54.3	2.96	0.110	0.025	
13	35 36	 	 	 	 	 	41	80	159	20.1	1.84	0.150	
19	37	 	 -	 	 	 	1	82	(1	- AVIII	1.07	שנגעב	0.085
<u> </u>	38	1	1				42	82 83	302	76.2	13.4	2.03	0.435
20	39							84]]]	j	i '	1.86
	40						43	85	518	177	46.8	13.1	4.94
21	41	 	 	 	 	 	44	86 87	633	269	83.2	26.9	8.09 9.74
22	43	 	 	 	 	 	∦ 11	88 88	033	208	00.6	60.8	9.04
-	44	 	 	†	 -	1	45	89	645	254	88.2	25.7	6.28
23	45		I		L]	99					2.98

DATE 23 July 1958 TIME 2000 - 2010 CST

Table 5.2 (Continued)

CONCENTRATION (mg m-3)

POS	ST NO.						7710			· · ·)			RUN	NO.17
-	7			RC			PC	ST	NO.		,	ARC		
Inner		20 E	100m	200m	400m	800m	Imer	Arcs	800m arc	20m	100m	200m	400m	800m
46	91	561	164	46.0	8.63	0.755		1	36	 " -	 -	1 7	4	
47	93	330	90.6	14.4	1.11	0.285 0.035	68		37					
48	94	1				10.000	70		38 39	<u> </u>	 	+		
1 30	95	195	33.2	2,70				1	40			┿╌╌		
49	97	106	8.93	0.245			71	-1	41					
	98					 	72		42 43					
50	100	29.4	1.00					1	44			╂╼╼┵		
51	101	8,72	0.090			ļ	73	1	46			 		
	102						74	$-\frac{1}{1}$	16					
52	103 104	1.19						1	18			╂╼╼╅		
53	105	0.235					75	14	19			 		
-	106						76	1!	20					
54	107	 	-					11:		 +				
55	109						77	15	3					
	110						18	15 15	4					
56	111 112							115	6					\Box
57	113	 					79	15	$7 \square \Gamma$			 +		\dashv
	114						80	15	8					\dashv
58	115						- 00	15	╬╟	 -				
59	116						81	16						
	118				 +		- 06	16						
60	119						82	16	3-1					
61	120 121						83	16:		 -				
	122							166	37		+			
62	123				 -{-	∤	84	168	<u>, </u>					
	124 125						85	161		 -				
	126	\longrightarrow	 -					170) -				-+-	
64	127			 -			86	171						
	128					- }-	87	$\frac{172}{173}$		 -				
_f5	129 130	 - -						174	7					
66	131						88	175						
[]	132					─		176 177						
67	133							178	7/-					
	25		 					170					🕴	
							91	180 181	- ∰	+-			_]
						11								1

Table 5.2 (Continued)

DATE 23 July 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

						ENTIN			, 				NO, 10
POST	NO.		A	RC			POST	NO.		AF	RC		
Inner Arcs	800m arc	20m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	4¢0m	800m
1	1							46					
	2						24	47					
2	3				 		25	48 49					
3	5		 	 			-48-	50					
	6						26	51 52					
4	7	<u> </u>	 					52					
5	8		 		 -		27	53 54					
	10	<u> </u>	 			 	_28	55					
6	11							56					
7	12	II———	 	 	 	 	29	57 58					
	13	∦	 	 	 	 	30	59	 				
8	15				<u> </u>			60					
	16						31	61					
9	17		—			ļ <u>.</u>	-20	62					
10	18	├		 -	 -	 	32	63 64	 				
10	20	╟╼──	┼	 	 		33	65					
11	21						1	66					
10	22 23 24	 			ļ	 	34	67	 	 -			
12	23	 	+		┼		35	89	 -				
13	25	╫──	1	 -	 	1		68 69 70					
	25 28 27						36	71 72					
14	27	∦	4	 	 	╁——	37	72	 	ļ			
15	29	├ ──	┪	 	 	 	 31 -	74	₩	 			
	30	1	1				38	75					
16	31		1					.78	0.005				
17	32	∤	 	 	╁	 	39	77	0.095	 	 		
 •• •	34	╫╼╼╼	 	 	 -	+	40	79	0.645				
18	35							80					
	35 36				ļ	 	41		5.57	0.095	ļ		
19	37	∦	- 	 	 -		42	82	29.6	1.59	0.025	 	
20	39	 		 -	\vdash		∦- 3€ -	84	₩ :`	1			
	40		1				43	85	106	17.1	0.730		
21	41					ļ	<u> </u>	86	1	00.0	11 4	0.045	
L	42	∦	 -	+	 -	+	44	87	218	69.6	14.3	0.640	
22	43	 			-		45	89	368	158	5C,9	11.7	0,040
23	45		 	1	 	 	1	90	1	† 			0.665
L		4	 .	_ 	.)			L	مستحمد مناك	·			

DATE 23 July 1956 TIME 2200 -2210 CST

CONCENTRATION (mg m-3)

POST NO. ARC POST NO. POST NO. ARC POST NO. ARC POST NO. ARC POST NO.			T							· · · · · ·				MOTR
46	POST	r no.		A	RC			Post	NO.	ļ	A	RC		
46														
92	Inner Arcs	800m arc	20m	100m	200m	400m	800m	Inner Arcs	800m	20m	100m	200m	400m	800m
47 93 920 242 82,4 23.5 14.0 138 148 95 615 177 51.4 17.9 8.49 140 1	46	91	584	257	95.0	32.3	5.04	- 00	136					
94	47	92	620	242	82.4	22.5		08	137	<u> </u>				
46	1		VEV	272	02.3	20.0	11.3	70	139					
96	48	95	615	177	51.4	17.9	8.49		140					
98 321 118 31.6 8.56 238 144 100 0.435 73 145 14							8.34	71	141					
SO	48	97	467	152	52.0	16.8	9.35					 		
100	50		321	118	31.6	8 56	2 38	16				 		
51 101 206 42.2 6.84 0.895 0.980 0.075 74 147 102 103 72.6 6.66 0.845 0.055 0.035 148 104 153 105 104 108 17.4 0.783 0.065 150	100		744		01.0	0,00	0.435	73	145					-
52 103 72.6 6.66 0.545 0.055 0.035 148 53 105 17.4 0.783 0.065 76 151 54 107 3.15 0.085 77 153 55 109 1.49 154 153 110 78 155 156 111 0,025 156 157 112 79 157 157 57 113 158 160 114 80 159 160 58 115 160 160 116 81 161 162 69 117 162 164 118 82 163 60 119 164 164 120 83 165 61 121 168 169 62 123 168 170 63 125 170 172 64 <t< td=""><td>51</td><td>101</td><td>206</td><td>42.2</td><td>6.64</td><td>0.695</td><td>0.080</td><td></td><td>146</td><td></td><td></td><td></td><td></td><td></td></t<>	51	101	206	42.2	6.64	0.695	0.080		146					
104					2 2 12	A 444	0.075	74						
53 105 17.4 0,783 0.065 76 151 54 107 3.15 0.085 152 152 108 77 153 154 154 55 109 1.49 154 154 110 78 155 156 111 0,023 158 158 112 79 157 57 113 158 158 114 80 159 58 58 115 160 169 58 115 160 160 116 81 161 81 59 117 162 163 60 119 164 164 120 83 165 61 121 164 166 122 84 167 168 63 125 170 174 128 85 169 174	52		72.6	6,66	0.545	0,055	0.035	75			-	-		
166	53		17.4	0.783	0.065			13	150					
54 107 3.15 0.085 77 153 55 109 1.49 154 155 110 78 155 156 56 111 0.025 156 157 57 113 158 157 157 57 113 80 159 <t< td=""><td></td><td>106</td><td></td><td></td><td></td><td></td><td></td><td>76</td><td>151</td><td></td><td></td><td></td><td></td><td></td></t<>		106						76	151					
55 109 1.49 78 155 110 78 155 56 111 0,025 156 56 112 79 157 57 57 113 158 58 114 80 159 58 58 115 160 59 58 115 160 59 118 81 161 59 60 119 162 50 118 82 163 60 120 83 165 60 61 121 168 60 121 168 60 60 60 122 84 167 60 60 63 125 170 128 66 171 64 127 172 172 172 173 178 65 120 174 176 176 176 176	54	107	3.15	0.085					152					
110			 					77	153		 			
56 111 0,025 156 112 79 157 57 113 80 159 114 80 169 58 115 160 116 81 161 69 117 162 118 82 163 60 119 61 164 120 83 165 61 121 166 168 122 84 167 168 62 123 168 169 63 125 170 126 64 127 172 172 128 87 173 174 130 88 175 00 131 176 178 134 90 179 68 135 180	22	1109	1.49				 -	70	188	 -	-			
112 79 157 57 113 158 114 80 159 58 115 160 116 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 126 87 173 65 129 174 130 88 175 60 131 176 132 89 177 68 135 90 179 68 135 180	56		0.025	-										
114 80 159 58 115 160 116 81 161 59 117 162 118 82 183 80 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 88 175 130 88 175 60 131 176 132 89 177 134 90 179 66 135 180		112	1 119.50					79	157					
58 116 116 81 69 117 118 82 60 119 120 83 61 121 122 84 62 123 124 85 63 125 126 86 64 127 128 87 65 120 130 88 131 176 132 89 67 133 134 90 179 68 135	57								158					
116			 -					80	159	<u> </u>				
69 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 60 131 176 132 89 177 67 133 178 134 90 179 68 135 180	28	112	 						181			-		
118	59		 	 		 			162			┼		
120								82	163					
61 121 168 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 60 131 176 132 89 177 67 133 178 134 90 179 180 180	80													
122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 60 131 176 132 89 177 67 133 178 134 90 179 135 180	ļ		 	 _		ļ	ļ	83	165		<u> </u>	ļ		
62 123 124 85 63 125 126 86 64 127 128 87 65 129 130 88 67 133 67 133 68 177 134 90 179 180	01		 	 -		 		84	187		 -	 -		
124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 60 131 176 132 89 177 67 133 178 134 90 179 68 135 180	62		 -		 	 -	 	04	168	} —·—·	 	<u> </u>		
126) -		1					85	169		1			
64 127 128 87 65 129 130 88 60 131 132 89 67 133 134 90 179 180	63								170					
128	L.,	126			ļ			86	171			 		
65 129 130 88 66 131 132 89 67 133 134 90 179 180	64		₩	 		 	ļ 	97		 		 		
130	85		 	 -	 	 	 	"		 	 	 		· · · · · · · · · · · · · · · · · · ·
66	1	130	 	 	<u> </u>	<u> </u>	1	88	175		1	t		
G7 133 178 90 179 180 180 180 180 180 180 180 180 180 180	66	131									1			
134	<u> </u>		 -		 		 	89		 	 -	 		
68 135 180	1.67							- 00 -				 		- -
·	-68			— —			 	- <u></u> .				· - · -		-
	"	1	1	1	1		1	91	181			1		

Table 5.2 (Continued)

DATE 25 July 1956
TIME 1100-1110 CST CONCENTRATION (mg m⁻³)

							Dosm				20		
POST	NO.		Α.	RC			POST	NO.		A.	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
,	1							46					
	2						24	47	2.52				
2	3		 		<u> </u>	 	25_	48 49	4.13				
3	5			 	 		-25-	50	3	 			
	6	 -	t				26	51	11.3	0.225			
4	7							52	21.0	1 00	0.005		
	8		 -	ļ	 -		27	53 54	21.0	1.91	0.025		
5	9		 	 		 	28	55	33.5	4.38	0.330		
6	11		 	1	1		- <u></u>	56					
	12						29	57	48.6	8.57	0.745		
7	13		ļ	ļ	 	↓	<u> </u>	58 59	57.2	14.2	1.86	0.180	
8	14	ļ	┼──	 	 	 	30	60	51.2	14.6	1.00	0.160	
8	16		 	╅╾╾╾	 	1	31	61	76.2	20.4	3.36	0.620	
9	17	 	1	 	†	<u> </u>		62					
	18						32	63	108	27.9	5.65	0.520	
10	19	ļ	-	 	-	 	33	64 65	144	39.2	8.21	0.735	0.045
	20	 	+		 	 	 33	66	144	38.6	0.21	0.155	0.105
11	22	 	 	+	 		34	67	141	41.3	12.1	1.73	0.090
12	23							68			1		0.125
	24					 	35	69 70	164	41.5	10,5	2.30	0.135
13	25 26	├ ──	 -	+		+-	36	71	182	33,8	6.79	2,09	0,230
14	27	╂──	+	+	+	+	-	72	1				0.365
<u> </u>	28						37	73	213	47.0	4.72	0,980	0.210
15	29				<u> </u>	 	38	74	218	54.8	6.41	0.655	0.220
- 14	30 31					+	1-36-	78	218	34.0	0.41	0,033	0.190
16	$\frac{31}{32}$	· 	+	+	+	 	39	77	210	51,0	6.60	1,08	0,185
17	33	 						78			<u> </u>	L	0.175
	34			I			40	79	192	51.0	8.21	1.89	0.160 0.245
18	35	.	- -			 	41	80	198	47.9	11.3	1.81	0.260
19	36	-						82	100	1	1		0,370
10	38	├	- -				42	83	180	47.1	13.4	1.88	0.285
20	30							84	II.	1,5-	1	0.46	0.215
	40					 -	43	85 86	152	49.7	11.4	2.13	0.135
21	41	∦ -		4		+	44	$\frac{80}{87}$	142	36.9	10.8	1.87	0.090
-22	42	-ii		-+	 -	+		88	-11	_			0.075
- <u></u> -	- 11	1					45	89	107	27.3	7,28	0.44	0.035
23	· • · · -			1]		ii	1 90	.11	l	_	.l	0.015

Table 5,2 (Continued)

DATE 25 July 1956 TIME 1100 - 1110 CST

CONCENTRATION (mg m⁻³)

POST	Γ NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91 92	62.3	21.8	3.50	0.090			136					
	92						69	137			 		
47	93	44.3	13.2	1.16			II	138					<u> </u>
48	94 95	30.3	4.53	0.390			70	139 140		 	 		
10	96	30.3	3.00	0.380			71	141					
49	97	23.0	1.59	0.110			 	142					
	98						72	143					
50	99	16.8	0.970					144					
	100						73	145					
51	101	10.2	0.140					146			l		
52	102 103	- 0.05	0.005				74	147 148		 	 		
52	104	2.85	0.025				75	149	<u> </u>	 	 		
53	105	0.930						150					
	106	0.000					76	151	·	 			
54	107	0.115	<u> </u>				1	152		1			
	108						77	153					
55	109	0.045						154					
	110						78	155	<u> </u>				
56	111	 	ļ					156	L	 			
-	112 113	╟	 	 			79	157 158		├			
57	114	} -	 				80	159					
58	115	 -	 			_	1-00	160	 -	 	 		
	116	<u> </u>	 				81	181		1	-		
59	117		1			 	1	162					
	118						82	163					
60	119							164					
	120						83	165					
61	121	 				ļ	II	186	ļ	 			
<u> </u>	122	╢——	 	ļ ——			84	167 168	<u> </u>				
82	123	 	├ 	 			85	169	<u> </u>	├	 		
83	125	 	 	 		 -	1-00	170		 	 		
	126	-	 	-	 -	 	86	171		 	 		
84	127	1	 	 	 -	 	 −−−	172	——	<u> </u>	 		
	128						87	173					
65	129							174					
L	130	J	-	ļ		ļ	88	175		ļ	L		
60	131	 	 	ļ	ļ		H	176		 	 		
<u></u>	132	 	 	 			89	177 178	}		-		
67	133	 -	·	 -	ļ	 	90-	178			 		 -
68	$\frac{134}{135}$	 	 	 -	 	 -	- "	180	 	 	 	 	<u> </u>
F-20-	1-122	 }	+		 	 	91	181		·	+		<u> </u>

DATE 25 July 1956 TIME 1300-1310 CST

CONCENTRATION (mg m⁻³)

RUN NO. 20

								· - 1					10.20
POST	NO.		Α	RC			POST	NO.		AF	₹C		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1_							46					
	2						24	47					
2	3 4				 -		25	48 49					
3	5		 	 			44	50					
	6_						26	51					
4	7			 -	ļ		00	52			∤		
5	8	 -	├──	 	 -	 	27	53 54					
7	10		 	 	 		28	55					
6	11							56					
	12						29	57	0.180				
7	13	⊪ -	 		 	 	30	58 59	1.23				
8	15	∯──	-	 	 	 -		60	1.20				
	16			1			31	61	2.79	0.060			
9	17				<u> </u>			62	- 60	A ATE			
10	18	.	 	 	 	 	32	63	5.60	0,615			
10	20	 	 	 	 	 	33	65	9.57	2.36	0.015		
11	21	1					1	66					
	22		Ţ <u></u>				34	67	20.4	2.75	0.350		2 225
12	23 24	∦	 	┼	 	 	35	68	45.6	8.22	1.94	0.105	0.025
13	25	 	 -		 	 	- 	70	30.0	B.22	4493	_V.100	0.125
	26						36	71	89.0	18.6	4.47	1.09	0.235
14	27	ļ			 	 	37	72	100-	1000	8.95	1 00	0.350 0.470
15	28			 	 	1	1-31	$\frac{13}{74}$	130	38.0	8.95	1.90	0.660
1	30	∄	-	+	 	1	38	75	149	51.0	12.9	2.76	0.795
16	31					1		76				2 12	0.735
1.5	32	 		 	┼	┦	39	77	162	52.2	14.7	3.42	0.735 0.565
17	33	 			 	 	40	79	170	47.1	15.9	3.06	0.495
18	35	 	· -	+				80					0,460
	36						41	81	170	46.5	11.4	2,88	0.305
19	_37	<u> </u>		J	 	.	40	82	171	46.5	10.7	2.08	0.525
20	38	-{ - 	- 		+	+	42	84	 	10.0	10.1	2.00	0.400
	- 39 -		 	 	1	 	43	85	170	39,6	9,22	2,33	0,335
21	41	1	- ·					86					0.315
	42				-		44	87	146	36,6	8.74	1.97	0.355
22		.			-		45	$\frac{189}{89}$	134	30.2	8.95	1.42	0.380
23	44 45	·	-	-				90	∯	1.0.2	1	<u></u> -	0.230
L23	1	11	_1	l	L		حجدت الد	. i	.IL	Ь	ـــــــ نـ	L	

Table 5.2 (Continued)

DATE 25 July 1956 TIME 1300 - 1310 CST

CONCENTRATION (mg m⁻³)

		1310				ENIKA			, 			RON	NO. 20
POST	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91 92	120	33.9	8.16	1.47	0.205	69	136 137					
47	93	114	32.7	6,56	1.25	0.110		1 38					
48	94 95	99.9	27.9	5,62	1.01	0.075 0.060	70	139 140					
	96					0.065	71	141					
49	97 98	83.4	20.4	4.28	0.675		72	142 143		<u> </u>	 		
50	99	57.9	9.77	2.47	0.270	0.050	-12	144					
	100						73	145					
51	101 102	35,6	6.24	1.49	0,030		74	146 147		 -	 		
52	103	26.1	3.68	0.325	!			148	<u></u>	 -	1		
	104						75	149					
53	105 106	21,2	0,925	0,045			78	150 151		 	 		
54	107	11.2	0.095				10	152			1		
	108						77	153					
55	109	1.88		_			70	154	 	ļ ——			
56	110 111	0.225					78	155 156	-		╁──┤		
	112	0.250					79	157					
57	113							158					
58	114 115	 					80	159 160	<u> </u>		 		
1 30	116	╟┈┈┈	 				81	161		 	-		
59	117							162					
	118		ļ	ļ			82	163	<u> </u>	ļ			
60	119	} -	 	 		ļ	83	164 165		 	 -		
61	121	 				 		166	<u> </u>	 			
	122						84	167					
62	123 124	 -		 			85	168 169	<u> </u>		 		
63	125	} -		 		 	00	170	<u> </u>	 	 		
	126						86	171					
64	127		ļ <u></u>	ļ			07	172			 		
65	128 129	} -				 	87	173 174	<u> </u>	 -	 		
	130					<u> </u>	88	175			1		
66	131			I				176			-		
67	132	 -		 		 	89	177 178		 -			·
"	134	 -		 -	·	 	-90	179	 -	··			
68	135			1		1		180					
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	<u>i</u>	91	181	L	<u></u>			

DATE 25 July 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

POST	г ио.		A	RC			POST	NO.		Al	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47					
2	3							48					
	4	<u> </u>	ļ		ļ 		25	49					
3	5	 			ļ			50	ļ				
4	7		 		 		26	51 52					
1-3	8		 			 	27	53					
5	9		1					54					
	10						28	55					
6	11							56					
	12		ļ				29	57					
7	13	il			ļ			58					
_ _	14	∤ ——		 	 		30	59	}			-	
8	15 16	 	 		 	 	31	60 61					
9	17	╢	 		├	 	-31	62					
—	18	} -	+		ļ	 -	32	63			 -		
10	19		<u> </u>		 	<u> </u>	1	64					
	20		1		†		33	65		<u> </u>			
11	21							66					
	22						34	67	0,230				
12	23	 	ļ	ļ . _	L	 -	 	68	0.000	ļ			
- 	24 25	 		ļ <u>.</u>	├ ──-	 	35	69 70	0.925		 -		
13	26	}	 	 	-	 	36	71	2.55	0.025	 		
14	27	 	 	 	├ -	 	-30_	72	2.30	0.020	 		
- ** -	28	 	 	 -	 		37	73	6.63	0.380			
15	29	1	1		<u> </u>			74		.,,,,,	<u> </u>		
	30		1				38	75	15.6	2.39	0.040		
16	31]					76					
	32	∤	ļ		ļ	 .	39	77	39.3	8.70	0.975	0.095	
17	33	∤ -		 -	ļ	 	40	78	20.5	100 E	c 00		0.020 0.215
10	34	╢──~	 	 	 	 -	40	79 80	66.5	22.5	5.29	1.11	0.215
18	35 36	 	┼	 	 	 	41_	81	131	41.0	11.6	3.22	0.000 0.015
19	37	 	 	 	 	 	∮	82	· · · · ·	7	1	3.22	0.915 1.26
15	38	{	1	1	 	 	42	83	210	65.9	19.1	4.72	1.11
20	39	1	1		 	T	1	84					1.46
	40			<u> </u>			43	85	267	91.7	27.1	8.37	2.31
21	41							86					3.03
	42			ļ		<u> </u>	44	87	275	96.6	29.6	9.03	3.26
22	43	 	↓_	ļ			∄	88			-		2.95
	44	 	 	<u> </u>	 	 	45	89	255	91.5	27.6	8.43	1.99
23	45	ll	<u> </u>	<u> </u>	<u> </u>	L	<u> </u>	90	IL	L	L	l	0.955

Table 5.2 (Continued)

DATE 25 July 1956
TIME 2200 -2210 CST CONCENTRATION (mg m⁻³)

200	T					·			T	·			110.21
POST	NO.		A	RC			POST	NO.		A	RC		
19 8	₽		F	9	8	8	5 5	8		8	8	E	5
Inner	800m arc	20 m	100m	200m	400m	800m	Inner	800m arc	50 II	100ធ	200m	400m	800m
46	91	201	66.3	17.1	2.18	0.280		136		<u> </u>			
	92					0.075	69	137					
47	93	129	34.7	4.98	0.485		70	138		 	 		
48	94 95	76.2	12,0	1,51	0,035		70	139 140		 			
10	96	10.2	12.0	1,51	0,033		71	141			 		
49	97	35.6	1.83	0.140				142					
	98						72	143					
50	99	10.6	0.415					144		ļ			
-	100	1.36	0,085				73	145 146		 	├		
51	102	1.30	0,085				74	147					
52	103	0.110					 -	148			1	-	$\neg \neg$
	104			_			75	149					
53	105	0.025						150					
 	106						76	151	<u> </u>	ļ	 		
54	107	0.045					77	152 153		 			
55	108	 					 -	154	 -		 		
1 55	110	 				 	78	155		 	-		
58	111		<u> </u>					156					
	112					<u> </u>	79	157					
57	113						<u></u>	158		L			
	114	 -	ļ			<u> </u>	80	159		ļ	 		——
58	115	} -		ļ	ļ	<u> </u>	81	160 161	ļ	 	 		
59	116	i			 -	 		162		 	 -		
38	118	i	 	 		 	82	163		 	 		
60	119	╢──	 			†		164		1	1		
1	120					†	83	165	_				
61	121							166					
	122					ļ	84	167		ļ	 	ļ	L
62	123	₩			 -	<u> </u>	85	168			 -		I
63	124 125	∦	 		├──	├	65	169 170	 		 	 -	ļ
03	126	{├	 	 	 	┼	86	171	 	 	 	 	
64	127	1	 	1		 	 -	172		† -	+		
	128					1	87	173					
65	129							174					
	130		ļ			ļ	88	175	<u> </u>	ļ			 _
66	131	 	↓	 -				176	 	 	+	 	
67	132	 -	 	 		 	89	178	 	 	+	 	 -
61	134	 -	 	 			90	179	∦ -		+	 	
68	135	 	 	·	 	 	1	180	1		1		
<u> </u>	1	1	 	1	1	1	91	181	1		T		
		·			·								

Table 5.2 (Continued)

DATE 26 July 1956 TIME 0000-0010 CST

CONCENTRATION (mg m⁻³)

							11011 (1						NO.22
POST	г ио.		A	RC			POST	NO.		Al	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100ш	200m	400m	800m
1	1							46					
	2_						24	47					
2	3_							48					
	4		 	ļ		ļ	25	49		_			
3_	5 6	}	╁	├	 -	ļ	26	50					
4	7		 	┿	 -		20	51 52					
	8_		 	1			27	53					
5	9							54					
	10		<u> </u>	<u> </u>			28	55					
6	11	 -		 -	 -			56					
1-7	13	 	 		 -	 -	29	57 58					
	14	 -	 	┼			30	59					
_ 8	15			1				60					
	16						31	61					
9	17	 	ļ					62					
10	18	╠ ~			 	 	32	63 64	ļ				\vdash
10	20	 -	+		 		33	65	0.235				
11	21	 	+	 	 -		 	66	0.200				
	22						34	67	1,56				
12	23		Į					68	 				
13	24 25	 	 	ļ	 -		35	69 70	4.65	0,035			
13	26	₩~~~	 	┼	 -	 	36	71	11.7	0.865		}	
14	27	 	+		 	†	 	72		0.000			\vdash
	28			<u> </u>		<u> </u>	37	73	27.0	4,22	0.060		
15	29		<u> </u>	l		ļ	<u> </u>	74	ļ				
16	30	╢	 	 	 	 	38	75 76	59.0	11.4	1.04	 	
10	32	 	 	+	 	┼	39	77	117	30,8	5.92	0.230	\vdash
17	33		 	 	† 			78		100,0	0.00	0.000	0.015
	34						40	79	170	55.8	14.4	2.37	0.040
18	35		 	-	 	 	∥	80	 		05.5	 	0.305
10	36	 	 -	· 	 	 -	41	81	213	78.5	25.5	7.11	0.685 2.13
19	37	├ -	+	 	 	 	12	82 83	224	81.8	27.7	8.64	2.13
20	$\frac{1-\frac{30}{39}}{39}$	 	+	+	 	 	∦' *- -	84	 				2.31
	40		1	 			43	85	200	60.3	16.3	4.75	1.74
21	41		J					86					0.865
	42	ļ	ļ	ļ	ļ		44	87	143	33.8	7.45	1.71	0.450
22	43				 	 	1	. 85	- <u></u> -	10.7	0.75	0.665	0.205
23	11 15		}	- 	 	 	45	<u>89</u> 9-1	84.6	16.7	3.75	0.682	0.075
	T:,	JI	ـــــ	-!	ــــــ	.L	ــــــ ان	. '	l!	1	L	l	<u> 0.020 </u>

DATE 26 July 1956 TIME 0000 - 0010 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.			RC		NO.22
-		 		-									
Inner Arcs	800m arc	20m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400т	800m
46	91	37,4	6.78	0,895	0.065			136					
1=-	92	10.5	0.04	0.006			69	137					
47	93 94	18.5	2.24	0.205			70	138 139		 			
48	95	7.08	0.480	0.070			⊪ -'' -	140					
	96		-				71	141			11		
49	97	2.60	0.080	0.020				142					
	98						72	143					
50	99	0.750					- -	144					
_51	100 101	υ <u>.185</u>					73	145 146			 		
	102	0.100					74	147		 	 		
52	103	0.030						148					
	104						75	149					
53	105							150					
	106	ļ					76	151					
54	107 108	 					77	152 153	 	-	├		
55	109	- -					∦	154		 	 		
-33	110	ļ					78	155					
56	111							156					
	112						79	157					
57	113							158					
	114						80	159	<u> </u>				
58	115	 	ļ				J	160		ļ	 -		
59	116	 					81	161 162		ļ	 		
29	117	 	 				82	163		 	ļi		
60	119	 	 				- <u>02</u> -	164	ļ	 	 		
	120						83	165					
61	121	 					1	166					
	122						84	167					
62	123	L						168					
	124 125	 		 			85	169		ļ	ļ		
63	$\frac{125}{126}$	<u> </u>	ļ.——	 		ļ	00	170	 	 	 -	<u> </u>	
34	126 127	 -	 	ļ ļ		 -	86	17 <u>1</u> 172			 		·
- 04 -	128	}		 	·		87	173			 -		
65	129	∯ -	 	† -			1	174		 	 		·
	130	1		<u> </u>			88	175					
66	131]]]				176					
L	132	li		!			89	177	ļ <u>.</u>	ļ			
67	133			ļ			<u> </u>	178	ļ		 _	ļ	
1:0	134	∥	 	 			:190	179 180			·		<u> </u>
<u> </u>	135	{	·				91	180			!	 -	 -
L	L	ii	L	L	<u> </u>	L	11. 21	1101	L	↓ _	ـــــ ا	L	L

DATE 29 July 1956 TIME 2100-2110 CST

CONCENTRATION (mg m⁻³)

									,			RUN	10.20
POST	NO.		A	RC			POST	NO.		A.	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
_1	1_1_							46					
2	<u>2</u> 3						-24	47 48	24.5	8,39	2.20	0.245	
	4						25	49	16.4	3.84	0.555	0,045	
3	<u>5</u>	ļ					24	50 51	7.53	1 42	0.080		
4	7						26	52	1.00	1.42	0.000		
	8						27	53	3.60	0.360	0.025		
5	9				 		28	54 55	1.48	0.080	0.025		
6	11							56					
	12						29	57	0.300				
7	13		 				30	58 59	0.185				 {
8	15							60					
	16	 					31	61	0.045		 		
9	17	 -					32	63	 	 	 		
10	19	0.060						64					
11	20 21	0.670					33	65 66	<u> </u>		 		
11	22	0.670	 	-			34.	6?					
12	23	3.42	0.045				25	68					
13	24 25	9.87	1.18				35	69 70			 -	 	
13-	26	8.61	1.10	 			36	71					
14	27	33.6	5.04	0.120			37	72 73					
15	28 29	69.6	15.6	1.66	0.050		37	74	 	 	+		
	30						38	75					
16	31	95.0	32.9	7.95	0.740	0.035	39	76 77	 -	 	 	 	
17	32	124	43.7	13.7	1.51	0.165 0.260	38	78	 	 			
	34					0,595	40	79					
18	35	145	52.8	18.1	4.81	1.24	41	80	 -	<u> </u>	 		
19	37	170	61.7	19.5	6.36	2.09	1-31	82					
	38					1.66	42	83					
20	39	176	55.2	16.8	3.94	1.34	43	84	 	 	 	ļ 	
21	40	136	40.4	10.6	2.71	0.875	43	86	-	<u> </u>	 		
	42)				0.485	44	87					
22	43	94.7	23.7	5.82	1.77	0.345	45	88			 	ļ	
$-\frac{1}{23}$	44	54.9	14.3	4.49	0.810		43	90		 	 	 -	
	ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ	<u> </u>			 -	и и	1	ш		4		

DATE 29 July 1956 TIME 2300-2310 CST

CONCENTRATION (mg m⁻³)

POS1	NO.		Al	RC			POST	NO		Δ	RC		$\overline{}$
-			1						ļ				
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Imer Arcs	800m arc	50m	100四	200m	400m	800m
1	1							46					0.110
	2		,				24	47	101	34.8	10.9	2.60	0.345
2	3							48					0.795
	4	<u> </u>					25	49	124	45.3	14.9	5.00	1.23
3	5							50	150	E0.4	17.0	5,58	1.60
4	6	-					26	51 52	158	50.4	17.0	5.58	1.81 1.92
- -	8_						27	53	152	50.7	16.0	5.43	
5	9							54					1.19
	10						_28	55	144	46.5	14.9	4.24	0.645
6	11	}						56					0.435
	12	<u> </u>	<u> </u>				29	57	125	39.2	9.56	1.68	0.185
7	13	ļ					30	58 59	86.4	22.4	4.05	0.420	0.110
8	15	- -					30	60	30.4	66.4	7.03	0.420	0.033
	16	<u> </u>					31	81	51,5	10.0	1.73	0.055	
9	17							62					
	18						32	63	29.6	4.32	0.215		
10	19	i					II	64					
11	20 21	 					33	65 66	13.3	0,990	-		
11	22	<u> </u>					34	67	4.37	0.155	 		
12	23							68	7.01	0.100	 	 -	
	24						35	69	1,44				
13	25							70					
	26	∥ -					36	71	0.250	ļ	ļ	 -	
14	27 28	}	-				37	72	0.025		├		
15	29	0.040					 	74	0.023		 	 -	
	30	0.040	 				38	75	 	 -			
16	31	0.130						76					
	32	ij	ļ		ļ		39	77	i ├──	ļ			ļ
17	33	0.510	0.020			-	1	78 79	 	 		 -	
18	34 35	0.830	0.120	-		 	40	80	}├── -	 	 	 	
10	36	0.030	14.120		 		41	81	 	t	 		
19	$\frac{3}{37}$	3.62	0.310				1	82			1		
	38						42	83					
20	39	10.0	0.800	0.050			L	84					
-	40	<u> </u>	ļ		ļ	 	43	85	 	 	 	 -	
21	41	31.1	2,25	0.245	ļ		1 00	86	} -	ļ	 	 	
22	42	53.4	9.21	1.07	0,050	 	44	88	 	 	 	 	
	44	33.4	0.41	1.07	0,030		45	89	 	 	 	-	
23	45	79.7	21.9	4.30	0.755		1	90					

DATE 1 August 1956 TIME 1300-1310 CST

CONCENTRATION (mg m⁻³;

POST	NO.		A	RC	.	-	POST	NO		Δ1	RC		
					 -		1.001	.,,,,					
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100回	200m	400m	800m
1	1							46					
	2	<u> </u>					24_	47					
2	3							48					
	4	ļ	 -				25	49					
3_	5 6						26	50 51	0.830				
4	7						<u> </u>	52	0.000				
<u>`</u> -	8			 			27	53	7.61				
5	9							54					
	10						28	55	19.2	0.100			
6	11_							56					
	12						29	57	27.3	1.67		0.020	
7	13			ļ			l	58	-				
	14	ļ					30	59	28.8	3.33	0.015	0.030	0.045
8	15 16	 		 			31	60 61	20.6	8.73	0.720	0.050	0.060
9	17	ļ	 		├	├──	31	62	20.6	0.73	0. (30	0.050	0.105
 -	18	 -	 	 	 		32	63	26.4	8.45	1.64	0.100	
10	19	<u> </u>	†	 		i		64		18138	***	4.44	M
1	20			 			33	65	47.6	9.05	2.64	0.125	0.045
11	21			f				66					0.050
	22						34	67	74.7	12.7	2.03	0.370	.0.060
12	23	II			!	<u> </u>		68		ئے۔ ۔	\		0.110
13	24	}	 	├ ──	 	 	35	69 70	96,0	17.3	2.13	0.330	
13	26	₩	 	 		 	36	71	129	21.9	1.25	0.440	0.075
14	$\frac{20}{27}$	 	╁───	 	 	┼──	- <i></i>	72	128	44.0	1.64	V.110	0.035
	28	<u> </u>		 		 	37	73	212	23.6	1.89	1.46	0.035
15	29					1		74		1			0.035
	30						38	75	264	41.0	3.19	0.900	M
16	31	II		<u> </u>	<u> </u>	ļ	J	76	J	 	1		0.020
	32		 	 	ļ	 	39	77	299	38.9	3.11	1.30	M
17	33	 		 	 	 	40	78 79	305	40.1	2.81	1.10	0.025
18	34	\ <u> </u>	├──	╁~~~~	 	 	1-30	80	1000	30.1	2.31	1	0.080
10	36	 	 	 	 	 	41	81	296	37.5	5.08	0,800	0.105
19	37	<u> </u>	 	 	 	 	1	82	 -	† <u> </u>	†** ***	1	0.065
1	38	 	 	1	1	1	42	83	255	33.5	3.19	0.450	0.170
20	39		1	T	1			84					0.175
	40						43	85	206	31.8	4.32	0.600	0.185
21	41			1	1	J	 	86	 	 _	0.00	10.545	0.125
	42	 	 	 -	ļ	 	44	87	186	27.2	2.86	0.540	
22	43	 		 	 	 		88	158	20.1	0.960	0.470	0.055
-22	44	 	 	 	 	 -	45	89 90	1 20	20.1	0.800	0.470	0.085
23	1 43	<u></u> لا	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	<u> </u>		Ц	טע	ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u>. </u>	10.000

DATE 1 August 1956 TIME 1300 - 1310 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST	NO.		A	RC		110.20
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	20m	100m	200m	400m	800m
	<u> </u>			1.15			74		S.		~		
46	91 92	170	14.8	1.15	0.425	0.045	69	136	9,95	1.62	0.040		
47	93	156	15.6	1.56	M	0.055	- "	138	0,00	*: 🗸	V.V401		
	94					0.065	70	139	0.660				
48	95	161	17.3	2.29	0.275	0.065		140	A 488				
10	96	102	20.3	0.645	O 305	0.075	71	141	0.135	ļ			
49	97 98	102	20.3	0.043	0.383	0.080	72	142	0.025				
50	99	116	27.3	3.55	0.485	0.105		144	0.000				
	100					0.105	73	145					
51	101	112	29.9	5.16	0,755	0.200		146					
-	102	0. 7	04.0	0.14	0.000	0.145	74	147			 		
52	103	91.7	24.8	8.14	0.685	0.220	75	148 149		 -	-		
53	105	91.5	22.5	7.34	0.595	0.225		150		 	 		
	106			1.07	0.000	0.235	76	151					
54	107	85.5	18.0	3.11	0.685	0.230		152					
	108					0.040	77	153					
55	109	92.1	13.7	3.74	M	0.165		154			<u> </u>		
56	110	85,2	13.7	0.855	A 01 6	0.095	78	155 156	 	 			
1 20	112	05.2	13.1	0.833	0.010	0.085	79	157		 			
57	113	74.7	11.9	0.735	0.715	0.045	- Vii	158					
	114	1				0.050	80	159					
58	115	53.4	14.9	0.715	1.11			160					
	116				7.78		81	161					
59	117	73.5	12.9	2.42	1.16		82	162			1		
60	118	80.4	13.3	3.02	1.19	 	62	163 164		 	}		
1-00	120	100.3	10.0	3.02	1.10	 	83	165		 -	├		
61	121	80.7	17.3	3.92	0.805	 		166		1	 		
	122		1				84	167					
62	123	119	26.4	3.69	0.675			168					
	124		L			<u> </u>	85	169	- 	<u></u>			
63	125	148	26.4	5.41	0.370	 	<u> </u>	170	}	 -			 _
-BA	126	105	30 0	4 07	0.300	 	86	171	 	 	} ——┤		
64	127	103	28.8	4.87	0.300	 ~	87	172 173	 	 -	 		
65	129	66.9	16.7	6.42	0.340	 -	 <u></u>-	174		 -	 		
	130	1					88	175					
66	131	34.1	19.2	5.99	0.465			176		1			
	132		<u> </u>	ļ		ļ	89	177	l		 		
67	133	8.19	18.5	0.515	0.155	·	-00	178 179	(-		 	 	
68	135	23.9	5.80	0.320		 	 -" " -	180	 	 	· 		
-00	132	1 -5.5	T	0.000		ļ	91	181		 -			
	ш,	ш		1	ــــــــــــــــــــــــــــــــــــــ		ــــــــــــــــــــــــــــــــــــــ		Ц	 -	٠		

Table 5.2 (Continued)

DATE 2 August 1956 TIME 1200-1210 CST

CONCENTRATION (mg m⁻³)

POST NO. RC										, 			TON	NO. 20
1 1 1 48 3 4 4 4 4 4 4 4 4 7 48 4 4 7 48 4 7 50 4 7 50<	POST	NO.		A	RC			POST	NO.		A	RC		
	Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	.400ш	800m
	1	1							46					
3 5 4 7 8 28 5 9 10 28 6 11 10 28 6 11 10 28 6 11 11 29 57 58 14 30 8 15 9 17 18 31 10 19 20 33 11 21 22 34 31 68 32 63 40 33 11 21 22 34 34 67 24 35 30 36 31 21 23 36 34 67 24 35 30 36 31 32 32 37								24						
3 5 4 7 8 28 5 9 10 28 6 11 10 28 6 11 10 28 6 11 11 29 57 58 14 30 8 15 9 17 18 31 10 19 20 33 11 21 22 34 31 68 32 63 40 33 11 21 22 34 34 67 24 35 30 36 31 21 23 36 34 67 24 35 30 36 31 32 32 37	2	3							48					
Color Colo	3		 	 	 	├	-	25	49					
4 7 8 8 5 9 10 28 6 11 12 29 7 13 8 15 16 30 9 17 18 32 10 62 20 33 11 21 20 33 11 21 22 34 31 64 22 34 31 66 22 34 31 64 22 34 32 63 467 2.69 13 25 30 36 41 27 23 36 34 67 70 70 14 27 25 37 37 73 34 75 40 39 32 39 <t< td=""><td></td><td>8</td><td></td><td></td><td></td><td> </td><td></td><td>26</td><td>-9U 51</td><td> </td><td></td><td></td><td></td><td></td></t<>		8				 		26	-9U 51	 				
8 10 28 55 3 4	4	17							52					
10		8						27	53					
6 11 12 29 57 7 13 60 8 15 60 9 17 62 18 32 63 10 19 64 20 33 64 11 21 66 22 34 67 24 35 69 13 25 36 24 35 69 13 25 36 24 36 170 28 37 73 34 77 72 28 37 73 30 38 75 46 31 76 30 38 75 40 37 73 34 75 46.5 35 69 80 17 73 73 34 75 76								20	54	 				
12	6			 	-	 	}	40_	58	 				
14 30 59 8 15 60 18 31 61 10 19 64 20 33 65 11 21 66 22 34 67 22 34 67 24 35 68 32 36 71 13 25 70 28 36 71 14 27 72 28 37 73 30 38 75 46 31 76 32 37 73 34 70 72 33 75 86 30 38 75 46 31 74 33 76 71 17 33 77 39 77 59,1 17,1 17 33 78 78 16 31 78 78 36 77 59,1 17,1		12						29	57					
8 15 16 31 61 9 17 18 32 33 10 19 62 20 33 65 11 21 66 22 34 67 12 23 24 35 69 13 25 26 36 71 14 27 70 28 37 73 30 38 75 46 31 34 32 39 77 33 34 40 32 31 71 33 76 78 33 73 73 34 79 79 33 73 73 34 76 76 37 73 73 37 73 73 39 77 59,1 17,1 17 33 73 34 79 <td>7</td> <td></td>	7													
16	-	14	 		 			30						
9 17 18 32 63 0.030 0.030 20 33 65 1.62 0.030 11 21 66 0.030 0.030 12 23 68 0.030 0.030 12 23 68 0.030 0.030 13 25 0.030 0.030 0.030 14 27 0.030 0.030 0.030 14 27 0.030 0.030 0.030 15 20 0.030 0.030 0.030 16 31 0.030 0.030 0.030 17 33 0.030 0.030 0.030 18 0.030 0.030 0.030 0.030 16 31 0.030 0.030 0.030 17 0.000 0.000 0.000 0.000 18 0.000 0.000 0.000 19 0.000 0.000 0.000 0.000 19 0.000 0.000 0.000 0.000	} -	18	 	 	 	 	 	31	AT AT					
10 18 10 19 20 33 64 11 21 22 34 67 2.69 12 23 24 35 68 8.09 13 25 70 70 28 36 71 17.0 0.510 14 27 72 34.7 5.84 0.080 15 29 74 33 34.7 5.84 0.080 16 31 76 39 77 59.1 17.1 1,22 0.025 17 33 78 78 78 17.1 1,22 0.025 17 33 78 79 73.8 21.8 1.53 0.065 16 31 78 79 73.8 21.8 1.53 0.055 16 35 80 41 81 79.4 22.8 3.23 0.305 19 37 82 82 83 22.3 0.40 0.005	9		 -	 -		 	 		62					
10 19 20 33 65 1,62 11 21 22		18						32	63	0.030				
11 21 22 34 66 12 23 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 30 38 75 46.5 13.8 0.560 16 31 76 32 39 77 78 73.8 21.8 16 35 80 38 40 79 79.4 22.8 3.23 30 41 81 17 33 77 38 40 79 73.8 21.8 1.53 30 82 33 79.4 22.8 38 42 83 20 39 79 40 80 21 41 84 44 87 21 41 86 22 43 <t< td=""><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>64</td><td></td><td></td><td></td><td></td><td></td></t<>	10								64					
12 23 34 67 2.69 35 68 3.09 35 69 3.09 36 71 17.0 0.510 0.510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0510 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511 0.0511			 	 	 	 -	 	33	65	1,62				
12 23 24 35 68 8,09 36 30 36 71 17.0 0.510 36 71 17.0 0.510 36 71 17.0 0.510 36 36 71 17.0 0.510 36 37 73 34,7 5.84 0.080 38 37 73 34,7 5.84 0.080 36 38 75 46.5 13.8 0.580 38 38 75 46.5 13.8 0.580 38 39 77 59,1 17.1 1,22 0.025 39 38 39 77 59,1 17.1 1,22 0.025 39 38 39 77 59,1 17.1 1,22 0.025 39 38 39 78 38 31.8 1.53 0.055 38 38 39 73 73.8 21.8 1.53 0.055 38 39 79 73.8 21.8 1.53 0.055 38 39 22.8 3.23 0.305 38 39 23.2 23.7 6,62		$\frac{21}{22}$	 	 	 	 	├	34	67	2 89				
13 25 26 36 70 14 27 70 28 37 73 34,7 5.84 0,080 15 29 38 74 34,7 5.84 0,080 16 31 76 74 <t< td=""><td>12</td><td>23</td><td></td><td></td><td> </td><td> </td><td></td><td></td><td>68</td><td>#.VV</td><td></td><td></td><td></td><td></td></t<>	12	23			 	 			68	#.VV				
14 27 28 37 73 34,7 5.84 0,080 15 29 38 76 46.5 13.8 0.560 36 16 31 39 77 59,1 17.1 1,22 0,025 17 33 78 78 78 78 78 78 78 73.8 21.8 1.53 0.055 15 <td< td=""><td></td><td>24</td><td></td><td></td><td></td><td></td><td></td><td>35</td><td>69</td><td>8.09</td><td></td><td></td><td></td><td></td></td<>		24						35	69	8.09				
14 27 28 37 73 34,7 5.84 0,080 15 29 38 76 46.5 13.8 0.560 36 16 31 39 77 59,1 17.1 1,22 0,025 17 33 78 78 78 78 78 78 78 73.8 21.8 1.53 0.055 15 <td< td=""><td>13</td><td>25</td><td> </td><td> </td><td> -</td><td> </td><td> -</td><td>I-00-</td><td>70</td><td>45.0</td><td>A</td><td></td><td></td><td></td></td<>	13	25	 	 	 -	 	 -	I-00-	70	45.0	A			
28 37 73 34,7 5.84 0.080 15 29 38 75 46.5 13.8 0.560 16 31 78 39 77 59,1 17,1 1,22 0.025 17 33 78 78 73.8 21.8 1.53 0.055 18 35 80 79,4 22.8 3,23 0,305 19 37 82 33 93.2 23.7 6,62 0,490 0,035 20 39 42 83 93.2 23.7 6,62 0,490 0,035 21 41 86 60 <td< td=""><td>14</td><td>20</td><td> </td><td> </td><td> </td><td>├</td><td>┨</td><td>36</td><td>72</td><td>17.0</td><td>0,510</td><td></td><td></td><td></td></td<>	14	20	 	 	 	├	┨	36	72	17.0	0,510			
15 20 30 38 75 46.5 13.8 0.560 16 31 76 39 77 59,1 17,1 1,22 0,025 17 33 78 73.8 21.8 1.53 0.055 16 35 80 73.8 21.8 1.53 0.055 19 37 82 79.4 22.8 3,23 0,305 20 39 42 83 93.2 23.7 6,62 0,490 0,035 21 41 86 60 60	 -	28	 	 	 	 -		37	73	34.7	5.84	0.080		
16 31 76 39 77 59,1 17,1 1,22 0,025 17 33 78 78 78 73.8 21.8 1.53 0.055 16 35 80 79,4 22.8 3,23 0,305 19 37 82 79,4 22.8 3,23 0,305 20 39 42 83 93,2 23,7 6,62 0,490 0,035 20 39 84 0,075 40 43 85 127 28,5 6,92 1,26 0,145 21 41 86 6 6 0,145 42 44 87 133 35,9 7,52 2,16 0,190 22 43 45 89 121 33,5 9,60 2,18 0,440	15	29							74					
32 39 77 59,1 17,1 1,22 0,025 17 33 40 79 73.8 21.8 1,53 0,055 16 35 80 79.4 22.8 3,23 0,305 19 37 82 33 93.2 23.7 6,62 0,490 0,035 20 30 84 0,075 40 43 85 127 28.5 6,92 1,26 0,145 21 41 86 60		30	 	ļ	ļ	ļ	 	38	75	46.5	13.8	0.560		
17 33 78 34 40 79 73.8 21.8 1.53 0.055 16 35 80 79.4 22.8 3.23 0.305 19 37 82 33 93.2 23.7 6.62 0.490 0.035 20 30 84 0.075 40 43 85 127 28.5 6.92 1.26 0.145 21 41 86 6 6 0.190 22 43 89 121 33.5 9.60 2.18 0.440	10	32	<u> </u>	 	├──	 		30	77	59 1	171	1 22	0.025	
34 40 79 73.8 21.8 1.53 0.055 16 35 80 79.4 22.8 3.23 0.305 19 37 82 93.2 23.7 6.62 0.490 0.035 20 30 84 0.075 40 43 85 127 28.5 6.92 1.26 0.145 21 41 86 50 60 <td>17</td> <td></td> <td>(</td> <td> </td> <td> </td> <td> </td> <td>-</td> <td>1-50</td> <td>78</td> <td>00,1</td> <td>1</td> <td>***</td> <td>0,020</td> <td></td>	17		(-	1-50	78	00,1	1	***	0,020	
16 35 80 79.4 22.8 3.23 0.305 19 37 82 93.2 23.7 6.62 0.490 0.035 20 30 84 0.075 40 43 85 127 28.5 6.92 1.26 0.145 21 41 86 133 35.9 7.52 2.16 0.190 22 43 60 0.280 0.280 44 45 89 121 33.5 9.60 2.18 0.440		34						40	79	73.8	21.8	1.53	0.055	
19 37 82 93.2 23.7 6.62 0.490 0.035 20 39 84 0.075 40 43 85 127 28.5 6.92 1.26 0.145 21 41 86 0.145 0.145 0.190 0.280 22 43 0.00 0.280 0.280 0.440	16	35				L		<u> </u>	80					
38 42 83 93.2 23.7 6.62 0.490 0.035 20 30 84 0.075 46 43 85 127 28.5 6.92 1.26 0.145 21 41 86 0.145 0.145 42 44 87 133 35.9 7.52 2.16 0.190 22 43 89 121 33.5 9.60 2.18 0.440	10		 	 	├ -	├─	 	41		79.4	22.8	3.23	0.305	
20 39 84 0.075 46 43 85 127 28.5 6.92 1.26 0.145 21 41 86 6.92 1.26 0.145 42 44 87 133 35.9 7.52 2.16 0.190 22 43 89 121 33.5 9.60 2.18 0.440	18		 	┼	 	 	 	42		93.2	23.7	6.62	0.490	0.035
46 43 85 127 28.5 6.92 1.26 0.145 21 41 86 6 6.92 1.26 0.145 42 44 87 133 35.9 7.52 2.16 0.190 22 43 60 0.280 44 45 89 121 33.5 9.60 2.18 0.440	20	39	- 	 	 	 				- A. A. A.	****	Y Y		
42 44 87 133 35.9 7.52 2.16 0.190 22 43 60 0.280 44 45 89 121 33.5 9.60 2.18 0.440		46						43	85	127	28.5	6.92	1.26	0.145
22 43 0.280 44 45 89 121 33,5 9,60 2,18 0,440	21			ļ	ļ	ļ		 						
44 45 89 121 33.5 9.60 2.18 0.440	20		}	 	 		 	44		133	35.9	7.52		
			 	 	 	 	 	45		121	33.5	9 60		
	23	45	J -	 	1	 		- -	90	1 2 2 2	1	7,77	#/ 4V_	0,540

Table 5.2 (Continued)

DATE 2 August 1956 TIME 1200-1210 CST

CONCENTRATION (mg m-3)

POST	NO.		A	RC		·	POST	NO.			RC		
						T				T	T 1	T	—
Inner Arcs	8C0m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	20 EB	100m	200m	400m	800m
46	91	123	37.4	10.1	2.18	0.365	- 44	136					
47	92	121	38.4	10.3	2.07	0.385	69	137 138		 -			
-31	94	121	30.4	10.0	2.01	0.325	70	139		 	┼╌╌┤		╼┥
48	95	114	36.3	11.6	2,48	0.280		140					
	96					0.280	71	141					
49	97	126	41.6	12.2	2.54	0.285	- 70	142		-			
50	98	139	48.5	12.9	2.75	0.310	72	143 144	ļ	 	┼┼		
1 30	100	138	40.0	12.5	4.19	0.445	73	145		 	+		\dashv
51	101	144	47.1	11.8	1.92	0.465		146					
	102	<u> </u>				0.360	74	147		1			
52	103	158	42.6	10.6	1.59	0.260	75	148	 -	 			
53	105	148	39.5	9 90	0.925	0.265	13	149 150	 	-	 		\dashv
	106	130	-UBAU	- A. HU	V.820	0.360	76	151		1	1		
54	107	121	33.6	6.92	1.23	0.310		152					
	108					0.370	77	153					
55	109	96.8	25.8	5.68	1.47	0.355	70	154	ļ	 	 		
58	110	70.1	18.6	4 00	1.60	0.355	78	155 156		 			
-	112	THAT .	10.0	9,20	I.BU	0.320	79	157		+			
57	113	50.4	13.1	4.13	1,13	0.183		158		1			
	114					0.150	80	159					
58	115	34.7	7.13	2.57	0.745	0.085		160					
59	116	04.0	0.10	0.000	0.255	0.055	81	161		 -	 		
28	117	24.6	6.12	0.990	0.255	 	82	163		 	 		
60	119	21.5	6.21	1.22	0.240		 "	164	-	1	 		
	120						83	105		1	 		
61	121	16.4	6.03	1.56	0.155			166					
	122					ļ	84	167		ļ <u>.</u>			
62	123	11.8	5.15	1.56	0.235	ļ	85	168 169		 	 		
63	125	7.17	3.39	1 29	0.190	 	-05	170	 	· -	· 		
	128	 	5.55				86	171	<u> </u>	 	+		
64	127	5.57	3.18	1.34	0.130			172					
	128					ļ	87	173					
65	120	3.90	1.97	0,980	0.050			174	ļ		 		
66	130	1 40	0.010	0 500	 	 	88	175 176		 	+		
100	132	- 4.4¥	היאות	_0.590		 	89	177	<u> </u>	 	+		
67	133	0.190	0,245	0.125		1		178		1	1		
	134						90	179					
68	135	 -		0.030	 	·l	<u> </u>	180		 	 	∤	
L	<u> </u>	<u> </u>	L	l	.l	J	91_	181	Ц	ــــــــــــــــــــــــــــــــــــــ	لــــــــــــــــــــــــــــــــــــــ		J

DATE 2 August 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

Post	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200т	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
ī	1							46					
2	2 3	ļ	 				24	47					
	4						25	49					
3	5 6	 	 	ļ	l			50					
4	7	 	 -			 -	26	51 52					
	8						27	53					
5	9		 	}				54					
6	10			 			28	55 56					
	12						29	57					
7	13							58					
8	14 15	 -	 		 -		30	59 60	 -				
-	16	 		 	 		31	61	0.030				
9	17							62					
-	18						32	83	0.540				
10	19 20		├	 		 	33	65	1.79	0.240	 		
11	21	 	 	 		 -		66	-*	V.23V			
	21 22						34	67	7.08	1.64	0.205		
12	23	 	 				35	68 69	12.2	4.01	0.000	 	
13	25	 	 	 -	 	 	35	70	12.2	4.01	0.690		
	26						36	71	18.8	6.57	2.57	0.080	
14	27		<u> </u>				- 05	72	JL			2.22	0.050
15	28 29	} -	 	 -	 	-	37	73 74	24.5	10.1	4.29	0.890	0.060
	30	<u> </u>	 	<u> </u>	 		38	75	40.2	14.4	3.78	0.990	0.165
16	31		Ι					76 77	ll				0.170
17	32	<u> </u>	 -		 	 -	39	77	59.1	17.4	4.56	1.07	0.185
	34	{} 	 	 	1	 	40	79	93.9	19.8	6.23	1.23	0.255 0.390
18	35							80	[L		0.590 0.710
	36	<u> </u>	 		 -	 	41	81	133	32.1	7.81	2.48	0.710
19	37	 	 	 	 		42	82	159	49.1	12.4	3.73	0.800
20	39	 		 -	 	 	 -	84					0.870
	40						43	85	200	60.0	17.7	4.73	0.980
21	41	ļ <u> </u>	ļ	ļ				86		1	100	4 15	0.930
22	42	∦	 -	 	 	 	44	87	221	73.1	19.7	4,17	0,940
1	44		 	 	 	 	45	89	221	57.3	17.8	3.66	0.670
23	45							90		l			0.520

DATE 2 August 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

		Τ											NU.27
POST	r no.	<u> </u>	A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	200m	200m	400m	800m	Imer Arcs	800m arc	50m	100m	200m	400m	800m
46	91	188	45.3	13.7	2.33	0.405		136					
	92					0.505	69	137					
47	93	164	41.4	9.77	2.36	0.355		138					
<u> </u>	94					0.350	70	139					
48	95	164	49.8	11.7	2.40	0.355	<u> </u>	140					
40	96	150	50 1	14.0	0 00	0.355	71_	141					
49	97 98	150	50,1	14.2	2.39	0.330	72	142					
50	99	132	44.6	13.1	1.56	0.225	16	144			-		
130	100	132	77.0	13.1	1.30	0.165	73	145		 	 		
51	101	132	36,2	9.37	1.00	0.145		146	 	 	 		
*	102	-	V. W	<u> </u>	1.00	0.120	74	147	 	 	 		
52	103	141	36.3	5.06	0.355	0.100		148					
	104					0.060	75	149		 	<u>├</u>		
53	105	123	23.0	3.86	0.050	0.050		150					
	106				i	0.025	76	151					
54	107	101	19.2	1.69				152					
	108						77	153					
55	109	63.3	10.8	0.535	ļ			154					
	110	I	7 10	2 225			78	155					
56	111	34.4	5,49	0.025				156					
57	112 113	00.1	1.55	<u> </u>		ļ. —	79	157 158			 		
31	114	22.1	1.55		 	 	80	159		 			
58	115	7.86	0.415			 -	-00	180	ļ		 		
100	118	1.00	0.320			}	81	161			├		
59	117	3.27				 		162			+		
••	118						82	1,63		 	 		
60	119	0.940				· · · · ·	<u> </u>	164			· · · · ·		
	120	1		-	 		83	165					
61	121	0.210						166					
	122						84	167					
62	123							168					
	124		<u> </u>				85	169					
63	125				L			170					
L	126	 			ļ	ļ	86	171		L	ļ		
64	127	 	<u> </u>	 _	 	ļ	<u></u>	172		ļ	ļ		
	128	 		 -		ļ	_87_	173	·	 	 		
65	129	 -	ļ	ļ. 	 -	 	88	174		 	 		
-ac-	130 131	╟	 	├	 	 	08	175		 	 		
66	132	 	 -		 -	·}	89	177		 	 		
67	$\frac{132}{133}$	 	ļ	·- 	 	 	}- 	178		 	 		
"'	134	╟───			1	†	90	179			 		
68	135	∦	 		ļ	· ··	- <u></u>	180	}		 	 -	
1-5-		1	<u></u>		1	·	91	181		 	 		
	<u> </u>	ш				 -	ม	لتت	1		1		

Table 5.2 (Continued)

DATE 3 August 1956 TIME 0000-0010 CST

CONCENTRATION (mg m⁻³)

<u></u>	 1						11011 (,	·			10.20
POST	L NO.		Α.	RC		_	POST	NO.		Al	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400т	800m
15 K	80 H	8	10	22	3	8	P A	800 arc	ည	=	_%	7	8
1	1							46_					
	2						24	47					
2	3							48					
	4_						25	49					
3	5			ļ	 	ļ	I	50					
4	<u>6</u>	 	 	 	 -		26	51 52	 				
	- 8		-		 -		27	53					
5	9		 		 -		 "' ─	54					
	10		1				28	55					
6	11							56					
	12						29	57					
7	13	II	ļ	 	 	ļ	 	58					
	14	 	 	 -	 -	ļ	30	59 60	 -				
8	15	 	 	 	 	 	31	61_				-	
9	17	 	├	 -	 	 -	 	62					
-	18	 -	 	 	 	 	32	63	<u> </u>	<u> </u>			
10	19	 	<u> </u>					64					
	20						33	65_	0.070				
11	21					↓	<u> </u>	66		ļ			
	22	 	 	 			34	68	0.180		 		
12	23	├	 	 		 	35	69_	12.0	G.370	 		
13	25	 	 		 -	1	- <u>-</u> -	70	12.0	0,0,0			
	26	 	 	1	 		36	71	42.5	5.81	0.065		
14	27							72					
	28				ļ	 	37	73	100	20.4	1.03	0.045	
15	29	∦	 	 	 -	 	38	74 75	152	45.6	8.24	0.120	
16	30	 	 	 	 -	 	- 30	76	132	73.0	0.27	0.120	
10	32	 	 	 	 		39	77	218	79.8	22.4	2.28	
17	33	1			<u> </u>			78					0.055
	34						40	79	299	115	33.9	10.4	0.370
18	35		<u> </u>	ļ	<u> </u>	<u> </u>	┨	80		ļ			2.35
<u> </u>	36			 	 -	 -	41	81	378	156	42.8	18.2	6.79 10.1
19	$-\frac{37}{22}$	 	- -		 	 	42	82	488	192	57.9	21,1	8.65
20	38	╂	 	 	+	+		84	400	102	31.8	ET.I	6.87
-20	40	╬ -	 -	+	 	 	43	85	450	179	59.5	19.0	4.72
21	41	 	 	 	 -	1		86					2.57
<u></u>	42	1	1				44	87	408	144	46.9	13.5	0.925
22	43		T					88		L	L	- <u>;</u> -	0.250
	1.1.1			 		 -	45	89	326	98.3	24.3	4.93	0.085
23	45	II	<u> </u>	1	<u> </u>	1	JL	90	<u> </u>	<u> </u>	<u> </u>	<u>1</u>	0.030

Table 5.2 (Continued)

DATE 3 August 1956 TIME 0000-0010 CST

CONCENTRATION (mg m⁻³)

1 500-													NO. 28
POST	NO.		A	RC]	POST	NO.	Ĺ	A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800т	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	209	52.2	13.9	0.755		69	136					
47	93	107	17.4	4 82	0.020		09	138			┞╼╼╁		
	94	101	****	1.02	0.020		70	139					
48	95	50.7	5.75	0.490	0.020			14C					
	96						71	141					
49	97	21.3	1.10	0.030				142					
50	98 99	5.91	0.115				72	143 144				-	
30	100	3.81	0.115				73	145					
51	101	0,610						146					
	102						74	147					
52	103							148					
60	104			 -			75	149	 				
53	105 106						76	150 151					
54	107		 		-			152					
	108						77	153					
55	109							154					
	110						78	155					
56	111							156					
	112						79	157	ļ	 	 		
57	113 114				 -	ļ	80	158 159	 	 	 		
58	115	 				 -	- 80	160	 -				
	116	 	 				81	161					
59	117				 		 -	162	 		 		
	118						82	163					
60	119							164					
	120	<u> </u>					83	165					
61	121	 -	 -	ļ <u></u>	 		84	166	 -	 	ļ		
62	122	}	 	 	 -		-04	167 168	 -	ł -	}		
.02	124	ii	- -	 	i—	 	85	169		 	 		
63	125			 -	<u> </u>		- -	170					
1-5-	126	l	·	 			86	171		 			
64	127							172					
	128						87	173					
65	129			ļ	<u></u>	ļ <u>. </u>	L	174		 	<u> </u>		
	130	 	·	ļ. —- —		ļ	88	175	<u> </u>	ł	 		
. 66	131	-	 	l	ļ	 	89	176 177			├ 		
67	133			·	ļ		- 	178	· ·	į- 	}		
-~.	134			 			790	179	1		 -		
68	135		1				IL	$[\bar{1}8\bar{0}^*]$					
							91	181	<u> </u>				

Table 5.2 (Continued)

DATE 3 AUGUST 1956 TIME 0200 - 0210 CST

CONCENTRATION (mg m⁻³)

POST NO.	╂		RC									
	Į.				r	POST	r			RC		
Inner Arcs 800m	50m	100m	200m	400m	800ш	Imer Arcs	800m arc	50m	100ш	200m	400m	800m
46 91							136					1.06
92	4					69	137	115	43.5	15.4	4.18	0.970
47 93	┩	 			 	- 50	138			ļ		1.41
94		 -				70	139	101	46.8	16.7	5.97	1.80
48 95 96	0.025					71	140 141	81.0	30.8	8.31	3.09	1.44 1.23
49 97	0.020	-			!	- '`	142	91.0	30.0	0.31	3.08	0.880
98	4.020				 	72	143	38.1	11.1	2.93	0,715	0.435
50 99	0.070						144					0.150
100						73	145	15.6	3.47	0.735	0.125	0.035
51 101	0.170						146					0.010
102	1	-			 	74	147	4,13	0.845	0.180	0.055	
52 103 104	0.790	 -				75	148 149	0.000	0,305	0.116	0.005	
53 105	2.43	0.025	 			13	150	0.820	u,305	0.115	0.025	
106	- L. 20	0.023	 			76	151	0.380	0.135	0.055	 	 -
54 107	6.93	0.205					152		V.200	V.V.		
108						77	153	0.185	0.055	0.015		
55 109	16.7	1.23	0.015				154					
110						78	155	0.100				
56 111	44.6	6.32	0,370				156	2 2 2 2		 		
112	101 5	10 5	104	0.100	 	79	157	0.040		 		
57 113	91.5	16.5	1.94	0.180	0.005	80	158 159	<u> </u>			 	
58 115	127_	35.7	8.63	1.27	0.025 0.085	-00	160			├──		
116	- 	133.1	0.03	1.61	0.230	81	161			 		
59 117	167	63.0	19.9	5.45	0.745		162					
118					1.40	82	163					
60 119	234	79.5	27.6	9.18	2.18		164					
120	-}	<u> </u>			2.60	83	165	ļ	 			
61 121	234	87.8	24.2	7.37	2.48		166	<u> </u>		 	 -	
62 123	-	-	01.0	F 00	1.78	84	167		ļ	 	ļ	
124	248	74.9	21.8	5.66	1.54 1.24	85	169			 		
63 125	191	71,1	21.9	7.62	1.56	- 	170	 		 		
126		 `^^	£ 2 . 9	1.42	1.82	86	171			 	 	
64 127	186	51,5	13.3	4.48	1.78		172		 -	 	1	
128					1.60	87	173					
65 129	152	41.7	12.6	2.90	1.10		174			ļ		
130		1	100		0.905	88	175	 _	 	 	 	
66 131	146	45.6	12.6	3.24	0.795	89	176	ļ	 	├	 	├ ──┤
67 133	128	40.5	11.2	3.55	0.625	- 65	178	 	 	 	 	┝╼┥
134	140	190.5	11.6	4. <u>33</u>	0.195	90	179	<u> </u>		 -	 	
68 135	112	35.6	10.6	2.65	0.835		180		† 	t	1	
		T				91	181					

Table 5.2-(Continued)

DATE 3 August 1956 TIME 1300-1310 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST	NO.		A	R <i>C</i>		$\overline{}$
									 				
Inner Arcs	800m arc	50m	100ш	200m	400m	800ш	Imer Arcs	800m arc	50m	100m	200ш	400m	800m
1	1_							46					
	2_						24	47					
2	3	 -	ļ				05	48		 			
3	5		 		<u> </u>	-	25	49 50					
	6						26	51					
4	7							52					
5	8		 		 -	 	27	53					
	10		 	 -	 		28	54 55					
6	11					 		56					
	12						29	57					
7	13				ļ			58	<u> </u>				
8	14 15			 -			30	59 60	ļ	 			
	16	 -	 			 -	31	61					
9	17						<u> </u>	62	 				
	18						32	63					
10	19	ļ		L				64					
11	20 21	 -	ļ	 			33	65 66		 		 	
	22	}	 			 -	34	67	0.250	 		-	
12	23							68	0.200				
	24						35	69	1.79				
13	25 26	 	<u> </u>	ļ	<u> </u>	ļ <u>-</u>	20	70	0.00			 	
14	27	 -		 	 -	 	36	71 72	3.68	 			
<u> </u>	28	 -	 	 		 	37	73	6.29				
15	29							74	l				
	30	 -	ļ		<u> </u>	ļ	38	75	9.72				
16	31 32	ļ	ļ	 -		 	39	76 77	12.6	1.92	 -	 -	
17	33		 	 -		 	33	78	12.0	1.32	 	 	
	34						40	79	17.6	0.675			
18	35		ļ		<u></u>			80					
10	36 37	ļ		 	 -	 	41	81	26.0	1.68		 	
19	37	 	 -	 		 	42	82 83	38.3	5.52	0.870	 	
20	39	 	 	-		·	75	84	30.3	2.54	1-V.8/V	1	
	40						43	85	50.9	17.1	2.83		
21	41							86					
	42	II	 		ļ	 -	44	87	70.8	20.7	3.77	0.740	
22	43		 	 	 	 	45	88	88.4	26.9	5.19	1.19	
23	45	 	 -		 	 	1 45	90	30.4	20.8	3,18	1.18	0.430
	I	Щ	L	L	L	 _	Ц		ــــــــــــــــــــــــــــــــــــــ	1		L	

Table 5,2 (Continued)

DATE 3 August 1956 TIME 1300-1310 CST

CONCENTRATION (mg m⁻³)

POST	NO.		AF	RC			POST	NO.			ARC		
Inner Arcs	800m arc	50m	100m	200m	400m	800ш	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	91.7	25.8	5.12	1.27	0.500		136					
	92					0,210	69	137		 			
47	93	98.0	28.2	7.60	1.01	0.180		138		↓ ——			\longrightarrow
	94	L			0.000	0.190	70	139					
48	95	100	29.3	6.61	0.880	0.190	71	140 141					
1-40	96	115	27.8	8.59	1.29	0.020	- ''-	142		 	+		$\overline{}$
49	97 98	113	21.0	0.35	1.23	0.020	72	143	<u> </u>	+		~~	
50	99	141	32.9	9.49	2.21	0.020	<u> </u>	144		1-			
100	100	├	32.5	0.10		0.250	73	145		+			
51	101	141	41.0	9.49	2.23	0.280		146					
T-	102					0.360	74	147				لتتتا	
52	103	146	52.2	12.5	2.99	0,440		148					
	104					0,320	75	149					
53	105	203	66.2	17.5_	2 57	0.380	<u> </u>	150	<u> </u>	-			
	108	<u> </u>		<u> </u>	 	0.690	76	151					
54	107	221	67.8	17.0	3.02	0.620	77	152 153	<u> </u>	+			
	108	1-ana		150	0.26	0.600	 	154		+	+		
55	109	203	54.3	15.0	2.36	0.630	78	155					
56	110	177	51.2	12.0	2.68	0.440	1	156					
130	112	 	71.2	12.0	12.00	0.150	79	157					
57	113	150	41.1	10.1	1.91	0.250	1	158					
-	114	1				0.200	80	159					
58	115	125	34.8	8.89	1.36	1		160					
	116	1					81	161					
59	117	94.2	25.1	5.61	0.680			162	IL				
	118				L		82	163	 			ļ	
60	119	71.6	17.1	2.12	0.610		 	164	 -	_		 	
	120		 _	ļ	 	-	83	165	 -	-			
61	121	39.3	9.48	1.36	0.470	 	84	166	}			 	
	122	1		0.40	0.640	· 	- 	168	╟~			 	
62	123	35.7	6.32	2.42	0.040	 	85	169	╟~~~			 	
63	124	21.3	5.46	2.08	0.460		1 00	170	╂	-+		 	
63	126	- 1.3	1 3.40	2.00	+ 100	 	86	171	 		-	 	
64	127	18.8	5.12	1.73	+	+	╢ 	172	1	+		1	
104	128	+ ****	- 	+	1	1	87	173					
65	129	11.8	2.31		1			174					
	130	1					88	175					
66	131	4.56	0.735			ļ	1	176	↓				├ ──
	132			ــــــ	_	 	89	177	↓ }	\bot		 	
67		1.64	-l	· 		-	1-90	178	₩			 	
	134	.		 	+		1 30	180	 			+	
_ 6 8	135	0.660	4		+		91	$-\frac{180}{181}$	i	-+	_	 	
i	1	11	1	ــــــــــــــــــــــــــــــــــــــ	J		TI	101	Ш			ــــــــــــــــــــــــــــــــــــــ	

Table 5.2 (Continued)

DATE 3 AUGUST 1956 TIME 1500 - 1510 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.	Γ	A 1	RC		
		 -											——
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200ш	400m	800m
46	91						- 00	136		6. 3		2.00	0.590
1-45	92	 -				 	69	137 138	158	51.3	14.5	3.02	0.710 0.780
47	93 94						70	139	170	56.3	17.5	3.81	1.03
48	95							140	110	30.3	11.5	3.61	1.62
10	96						71	141	177	59.0	14.8	4.04	1.67
49	97							142					1.46
	98						72	143	135	44.3	15.4	4.41	1.30
50	99							144					1.23
	100						73	145	85.7	33.5	14.0	3.62	1.23
51	101 102	} _			 _	 	74	146	54.9	22.4	7.15	1.60	0.760
52	103						- '3-	148	34.5	24.4	1.13	1.00	0.190
<u> </u>	104					 	75	149	37.8	11.8	2,97	0.910	0.310
53	105	0.405	0.375					150					****
	106						76	151	22.1	5.37	1.63	0.290	
54	107	1.58	0.765					152					
<u></u>	108		-			 	77	153	11.4	3.80	0.900		├──
55	109	2.15	1.82	0.560			70	154	4 27	9 40			——
56	110	11.7	3.59	1.75	0.610	0.550	78	155 156	4.37	2.46			
100	112	****	0.00	1.10	0.010	1.06	79	157	4.02	0.960			 -
57	113	24.2	7.26	3.44	0.880	0.310		158		3.333			
	114					0.090	80	159	1.89	0.225			
58	115	39.2	12.6	4.17	1.42	0.830		160					
	116					0.800	81	161	0.735				
59	117	55.8	17.3	5.42	1.48	1.40		162	 	ļ			
	118	105	00.5	0.00	0.05	0.600	82	163		 			
60	119	85.1	22.7	6.87	2.05	0.400	83	164 165		 			
61	120	124	31.2	9.81	2.69	0.620	-65	166		 	 -		
"	122	123	51.2	8.01	2.03	0.690	84	167	 -				
62	123	155	41.1	11.0	3.35	0.320	1	168		† 			
	124					0.710	85	169					
63	125	137	37.2	9.11	2.15	0.940		170					
ļ	126	<u> </u>	ļ	<u></u>	<u> </u>	0.790	86	171		<u> </u>			ļ
64	127	129	34.4	8.31	1.18	0.950	- 07	172	 		·	 	}
65	128	116	37.2	8.31	0.890	0.380	87	173		 -	 	 	
1 33	130	 	101.2	10.31	0.080	0.160	88	175	-	 	 		┝╼╾┥
66	131	135	36.6	7.81	1.00	0.660	<u> </u>	176		1			
	132		1			0.660	89	177			L		
67	133	152	33.6	7.33	1.36	0.720		178					
	134		- <u></u> -			0.740	90	179			L	ļ	
68	135	165	40.1	10.3	2.79	0.850		180	il	 	ļ	 	
L		Ш	1	L	ــــــــــــــــــــــــــــــــــــــ	1	91	101	U	<u></u> _	ــــــــــــــــــــــــــــــــــــــ	l	<u> </u>

Table 5.2 (Continued)

DATE 6 August 1956 TIME 2000-2010 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		AF	RC .		
Inner Arcs	800m arc	50m	100m	200ш	400m	800m	Inner Arcs	800m arc	50т	100ш	200m	400m	800m
1	1							46					
	2						24	47					
2	3							48					
 	4					L	25	49					
3	5		ļ ———				26	50 51	 				
4	6 7		 			 	<u> </u>	52					
1	8	<u> </u>		1			27	53					
5	9		<u> </u>	İ				54					
	10						28	55					
6	11						<u> </u>	56_					
<u> </u>	12	∥			-		29	57 58	 				
7	13 14	₩	 				30	58			—-		
8	15	∦ -	├	 	 		 30 -	60					
 "	16	∄			 	 	31	61					
9	17	!	 	1				62					
	18						32	63	0.085				
10	19					ļ		64					
	20	 	ļ	Ļ	Ļ	ļ	33	65	0.090				
11	21 22	<u> </u>		 	 	 	34	66	0.565				
12	23	 	┼	 	 	 	1 34	68	0.303	 			
12	24	 	 	 	+	 	35	69	3.12	0.075			
13	25	╢──	 -	1	 			70					
	26						36	71	7.22	0.660			
14	27						 	72	<u> </u>		ļ		
L .	28	╢——	 	↓		 	37	73 74	32.1	6.39	 -	_	
15	29 30	╢──	╁	 -	 	 	38	75	78.5	31.5	0.750		
16	31	∥	 	- 	 	 	1	76	10.0	1	- 0,,,,,		
<u>-</u> -	32	·	1		†		39	77	207	57.3	14.5	0.395	
17	33	1						78					0.015
	34		Ī	1		Ţ	40	79	356	162	53.1	7.17	0.115
18	35	<u> </u>	J	ļ	.	ļ	 	80	<u> </u>	101	100	10.0	1.66
<u> </u>	36 37	- -	 			 	41	81	615	434	129	46.8	6.18
19	37	╂╼╼╌	 	 	 	·	42	82	729	624	285	121	41.1
20	39	╢		+	+		7.5	84	1.50	1027	200		58.6
-20	40	 	+	 	 -	+	43	85-	707	518	205	BO.3_	31.3
21	41	1	+			1		86					5.20
	12	1	1		1		44	87	608	240	45.2	3,98	0.270
22	43						J	38	1	-	<u></u>	-	0.030
	-1.1	1			J		45	89	369	58.8	1.83	0.045	0.010
23	45	Ш	<u> </u>		L	1	JL	90	ـــــالـ	J	1	<u> </u>	0.015

Table 5.2 (Continued)

DATE 6 August 1956 TIME 2000 - 2010 CST

CONCENTRATION (mg m⁻³)

	 -					BITTICA	,		· ' —				NO. 32
POST	г ио.		A	RC			POST	NO.			RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91	132	6.35	0.015				136		<u> </u>			
	92		 				69	137					
47	93 94	44.9	0.435	0,010			70	138 139		ļ			
48	95	8.55	0.050	0.010			-10	140		 			
	96						71	141					
49	97	0.850						142					
	98	0.000				L	72	143					
50	99	0.080				ļ		144					
51	100						73	145 146		 	 		
21	102						74	147		 	 	 -	
52	103							148		 	 		
-33	104				_		75	149		 			
53	105							150					
	106						76	151					
54	107							152					
55	108	 				 	77	153 154		├			
35	110					 	78	155		 	 		
56	111						10	156		 	 		
	112						79	157				- 1	
57	113							158					
	114						80	159					
58	115							160					
1-5A	116	<u> </u>	-				81	161					
59	117	 					82	162 163		ļ			
60	118	 -					02	164		-	 		
100	120	 					83	165			 		
61	121	 						166			 		
<u> </u>	122		1				84	167	<u> </u>	†	 		
62	123							168			11		
	124						85	169					
63	125							170	<u> </u>				
<u></u>	126					<u> </u>	86	171		ļ <u>.</u>	1		
64	127	 _				├	87	$\frac{172}{173}$	 -	 	├		
65	128	 	 			 	67	173	}	 	┼		
100	130		 				88	175	 	 	┼──┤		
66	131	 				 		176	 	1	 		
	132				· <u>-</u>		89	177			1		
67	133							178					
	134						90	179					
68	135	 	 			ļ	<u> </u>	180	<u></u>	ļ	├	l	
	L	<u> </u>				<u> </u>	91	181	L	<u> </u>	ــــــــــــــــــــــــــــــــــــــ		

Table 5.2 (Continued)

DATE 7 August 1956 TIME 1300-1310 CST

CONCENTRATION (mg m⁻³)

Dogs	5 2/0								. -				NO. 33
PUST	Г ИО.	l	A	RC			POST	NO.		A	RC		
Inner	800m	•	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400т	800m
1	1							46					
	3						24	47					
2	3	ļ	 	 -				48					
${3}$	4	 	 	 -	 		25	49					
	5 6		 	 			26	50 51					
4	7		 	†				52					
	8_						27	53					
5	9	<u> </u>		<u> </u>				54					
	10	 	ļ	} -	ļ		28	55					
8	11	 	 	 				56	 -	ļ			
7	13	 	 	 	 	├──~	29	57 58					
⊢ <u> </u>	14		 	 	-		30	59		 			
8	15							60					
	16						31	61					
9	17	II		ļ				62					
10	18	 -	 	 :			32	63	 				
10	20	 	 	┼	├──		33	64 65	0.790				
11	21	 	 	 	 		 -33- -	66	0.780				
	22		 	1		 	34	67	2,33	0,070			
12	23							68					
L	24						35	69	4.78	0,820	0.090		
13	25 26	 -	ļ	├ -	 	 _	36	70	100	0.00	0.040		
14	27	╂	 -		 		36	71 72	12.0	2.88	0.240		
	28	∦ ~ -	 	 	 -	 	37	73	27.8	5.90	0,935		
15	29			1				74					
	30						38	75	40.4	11.1	1.86	0.175	
16	31	├ ──	}	 	↓	Ļ		76	51.0	400	4 00	0 406	-
17	32	 	 	├	 	 -	39	77 78	51.3	18.9	4.20	0.465	
1	34	 	 	 	 	 	40	79	55.7	21.6	5.94	0.925	0,030
18	35	1	 	1	1	 		80	<u> </u>				0.080
	36						41	81	60.8	17.7	4.23	1.13	0.085
19	37			ļ		<u></u>		82					0.100
	38	 	 	 	 -	ļ	42	83	59.9	15.6	3.76	0.675	0.145
20	39 40	├ -	 -	 -	 	 -	43	84	57.2	17.6	4.01	0.702	0.125
21	41	 	├──	 	 	 -	13	85 86	101.2	11.0	7.01	0.125	0.140
\ 	42	 	 	 	 		44	87	71.3	21.5	4.62	1.02	0.195
22	43			1	1		1	88					0.335
	44						45	89	106	24.6	6.44		0.425
23	45	JI	L	L	L	<u> </u>		90	L		L	L	0.465

DATE 7 August 1956 TIME 1300 - 1310 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		٨	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91 92	138	48.3	7.67	2.28	0.590	40	136					
47	93	158	50.9	10.9	3.01	0.640 0.520	69	137 138			 		
31	94	138	30.8	10.5	0.01	0.440	70	139		 			
48	95	191	59.1	16.6	2.62	0.420		140					
	96					0.710	71	141					
49	97	207	63.6	17.5	3.95	0.740 0.680	72	142		 			
50	98 99	180	62.7	19.1	3.59	0.660	12	144			 		
1 30	100	100	V2.1		0.00	0.560	73	145					
51	101	158	52.4	13.8	3.03	0.500		146					
<u></u>	102					0.230	74	147		ļ			-
52	103	128	40.2	7.93	1.23	0.070	75	148					
53	105	85.5	20.1	4.26	0.590			150		 	 		
-	106	09.9					76	151					
54	107	49.2	9.77	1.38	0.080			152					
	108	ļ					77	153		ļ	-		
55	109	23.9	2.88	0.415		-	78	154 155	 -	 			
56	111	7.95	0.880	0.045			- '' -	156	<u> </u>	 	1		
	112		V. V.	View			79	157					
57	113	2.43	0.135					158					
	114			 			80	159 160					
58	115	0.485	0.025	-		ļ	81	161			┼		
59	117	0.200	 		ļ	 		162		 	 		· \
100	118	0.200		<u> </u>			82	183		1	1		
60	119							164					
	120					ļ	83	165		ļ			
61	121	 	 	 	ļ	 	84	166	<u> </u>	 	 	 	
62	122	╂		 -	 	 -	04	168		 	 		
100	124	 	 	 	 	 	85	169		1	1	!	
63	125							170					
	126				ļ		86	171	ļ		 _		
64	127	 	 -	 		ļ	87	172	 -	 	 	 	
65	128 129	 	 	 	 	 	∦-° ′−	174	 	+	+		
 0 5	130	 		 		 	88	175		1	1		
66	131			1				176					
	132	 					89	177	 	 		 	<u> </u>
67	133	 	 	 	 	 -	90	178	 -		+	 -	
68	134	∥	 	 -		}	1-50	180	 		1	1	
1-00	 ••• -	1	—	1	1	 	91	181			1		
<u> </u>	Щ	ш	4	-		4	ш	4				·	

Table 5.2 (Continued)

DATE 7 August 1956 TIME 1500-1510 CST

CONCENTRATION (mg m⁻³)

POST	ר אם	T		RC			POST	NO T					10.37
			,				PO31	NO.		Α.	RC		
Inner Arcs	800m arc	1L. _v .	100m	200m	400m	800m	inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47	60.8	15.9	2.22	0.135	
2	3	ļ						48	20.0	24.2		2 2 2 2	
3	5	 					_25_	49 50	99,6	24.9	6.95	0.525	0.045
	6	 					26	51	130	34.7	11.4	1.44	0.180
4	7							52	A	V3.1	****		0.320
	8						27	53	152	45.5	14.4	3.28	0.570
5	9	ļ						54					0.700
	10	 					28	56	180	60.2	16.1	3,83	0.870
6	11	 					29	56 57	201	68.7	18.3	4 40	1.17
7	13	 			 		28	58	201	08.7	10.3	4.48	1.06 1.18
	14	 					30	59	192	64.1	20,0	4,65	1.12
8	15							60					1,27
	16						31	61	162	59.7	18.6	5.10	1.30
8	17	 						62					1.04
10	18 19	<u> </u>					32	63	162	51.0	15.7	4.23	0.970
10	20	 					33	64 65	130	40.5	11.9	2.61	0.720 0.390
11	21	(66	190	40.0	A A . P	-6.01	0.100
 	22						34	67	102	2C.1	5.12	0.805	0.045
12	23							68					0.030
-	24	∦ 					35	69	70.2	13.3	1.42	0.155	0.015
13	25 20	}	 			} -	36	70 71	40.1	5.00	0.250	0.040	
14	27	 	-			<u> </u>	30	72	46.1	64.0	0.230	0.040	
	28		 				37	73	25.5	3.02	0.025	0.015	
15	29							74					
	30		L				38	75	11.5	0.595	0.020		
16	31 32	 				 	39	76 77	6.68	0.040	0.005		
17	33	 	 			<u> </u>	38	78	0.00	0.030	0.025		\vdash
 •••	34	<u> </u>					40	79	3.69				
18	35	0.065					-35	80					
	36						41	81	0.525				
19	37	0.380						82		ļ	ļ		
- 20	38	0.00	 -	ļ		 	42	83	0.070	 	 	 -	├
20	39 40	3.96	 			 -	43	84 85	0.040	 	 	 	
21	41	12.7	0.495				1-1-	86	A.040	 			 1
	42	 -			·		44	87			t		
22	43	19.2	3.12	0.040				88					
	44	A		X P. P			45	89					
23	45	33.3	6.54	0.700	0.015	L	L	90	<u> </u>	L	l	l	L

Table 5.2 (Continued)

DATE 7 August1956 TIME 2303-2313 CST

CONCENTRATION (mg m⁻³)

RUN NO. 35-8

1 1 1 2 48 339 133 45.0 12.5 2.94 47 339 133 45.0 12.5 2.94 4,35 4.35 <	Dogg							2005	<u></u> 7					10.55
1	100	NO.		A	KC -			POST	NO.		٨	RC		
2	Inner Arcs	800m arc	50т	100ш	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
2		1							46					1.19
2 3		2						24		339	133	45,0	12,5	
1	2	3												
Color								25	49	387	136	43.1	14.7	5.27
4 7 8 27 53 296 91.5 24.1 8.41 1.54 5 9 28 55 185 52.1 13.6 3.15 0.524 6 11 29 55 185 52.1 13.6 3.15 0.524 7 13 58 30 59 49.4 6.87 0.510 0.055 14 30 59 49.4 6.87 0.510 0.055 16 31 61 20.9 0.580 0.055 0.055 18 32 63 5.87 0.095 0.025 0.055 0.005	3	5												
8 10 27 53 296 91.5 24.1 8.41 1.54 0.981	 	6						26	51	366	130	35.2	11.7	4.17
5 9 0.98 10 28 55 185 52.1 13.6 3.15 0.526 112 29 57 99.6 24.8 3.53 0.610 7 13 30 59 49.4 6.87 0.510 0.055 8 15 31 61 20.9 0.580 0.055 16 31 61 20.9 0.580 0.055 0.055 18 32 63 5.87 0.095 0.025 0.025 10 19 33 65 0.705 0.025 </td <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>52</td> <td></td> <td></td> <td>-</td> <td></td> <td>2.76</td>	1								52			-		2.76
10		 8 -	 					27		296	91.5	24.1	8.41	0.005
6 11 12 29 57 99.6 24.8 3.53 0.610 7 13 30 59 49.4 6.87 0.510 0.055 8 15 60 31 61 20.9 0.580 0.055 9 17 62 20 33 55 0.095 0.025 10 19 62 32 63 5.87 0.095 0.025 11 21 66 66 0.705 0.025 0.								20	D9 EE	185	52 1	13 A	3 15	0.800
Total	6							20		100	32.1	10.0	9.10	0.520
7 13 14 30 59 49.4 6.87 0.510 0.055 16 31 61 20.9 0.580 0.055 0.055 9 17 62 62 0.005 0.095 0.025 0.095 0.025 0.095 0.025 0.095 0.025 0.095 0.025 0.095 0.025 0.005<	<u>*</u> -	12		_		-		29		99.6	24.8	3 53	0.610	
14 30 59 49.4 6.87 0.510 0.055 18 31 61 20.9 0.580 0.055 18 32 63 5.87 0.095 0.025 10 19 64 64 66 67 67 67 67 67	7									28.5		V.VV	2.22	
8 15 60 31 61 20.9 0.580 0.055 9 17 62 20.9 0.580 0.055 9 17 62 20 32 63 5.87 0.095 0.025 0.025 0.025 0.005 0								30		49.4	6.87	0.510	0.055	
9 17 18 32 63 5.87 0.098 0.025 10 19 64 33 65 0.705 0.0135 11 21 66 34 67 0.135 0.1	8	15							60					
18								31		20.9	0.580	0.055		
10	9								62					
11 21	<u></u>		 			-		32		5.87	0.095	0.025		
11 21 34 67 0,135 12 23 68 0,135 68 13 25 70 70 70 70 28 36 71 72 72 72 72 73 73 74 74 74 74 74 74 76 76 76 76 76 76 76 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 77 78	10	19	 	ļ										
12 23 34 67 0,135 24 35 68 35 69 13 25 70 70 28 36 71 72 28 37 73 73 15 29 74 74 30 38 75 75 16 31 0,055 76 78 32 77 78 78 34 40 79 78 18 35 0,385 80 38 41 81 82 38 42 83 82 20 39 15.5 1.35 0.035 84 40 40 43 85 21 41 58.7 8.64 0.600 86 42 43 136 34.1 5.29 0.335 88 444 87 88 88 88		20	 					33		0.705			 -	
12 23 24 35 13 25 28 36 15 29 28 37 30 38 16 31 0.055 32 39 17 33 34 40 18 35 0.385 38 41 19 37 3.53 0.190 38 42 83 20 39 15.5 1.35 0.035 40 40 82 40 40 84 40 43 85 21 41 58.7 8.64 0.600 42 43 86 44 87 22 43 136 34.1 5.29 0.335 44 87 44 87 44 88 44 87 44 88 44 87 88 88 44 87 88 88	 **	22	 	 				74	A7	0.135	 		 	
24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 29 74 30 38 75 16 31 0.055 76 32 78 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 40 43 85 21 41 58.7 8.64 0.600 86 42 42 43 86 42 43 136 34.1 5.29 0.335 88 44 44 87 88 88	12	23	 					"		ATTEN.		 		
14 27 28 37 73 15 29 74 30 38 75 16 31 0.055 78 32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 41 81 82 38 42 83 20 39 15.5 1.35 0.035 40 42 83 21 41 58.7 8.64 0.600 42 43 85 22 43 136 34.1 5.29 0.335 44 87 22 43 136 34.1 5.29 0.335		24	₩		-			35				1		
14 27 28 37 73 15 29 74 30 38 75 16 31 0.055 78 32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 41 81 82 38 42 83 20 39 15.5 1.35 0.035 40 42 83 21 41 58.7 8.64 0.600 42 43 85 22 43 136 34.1 5.29 0.335 44 87 22 43 136 34.1 5.29 0.335	13	25												
28 37 73 15 29 74 30 38 75 16 31 0.055 76 32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 85 44 87 22 43 136 34.1 5.29 0.335 88 44 44 6 0.055 45 89		26		Ī				36	71					
15 29 30 38 75 16 31 0.055 76 32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 136 34.1 5.29 0.335 88 44 44 6 0.055 45 89	14	27							72					
30 38 75 16 31 0.055 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 136 34.1 5.29 0.335 88 44 44 6 0.055 45 89		28	 					37		<u> </u>		 		<u> </u>
16 31 0.055 76 32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 85 44 87 22 43 136 34.1 5.29 0.335 88 44 44 6 0.055 45 89	15	29	 			<u> </u>		- 20		<u> </u>		 	├ ──	
32 39 77 17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89	18	1 30	0.086	 			 	30-	78	<u> </u>	 -			├──┤
17 33 0.415 78 34 40 79 18 35 0.385 80 36 41 81 19 37 3.53 0.190 82 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 43 85 22 43 136 34.1 5.29 0.335 88 44 44 0.055 45 89	1.0		0.000	\vdash				39			 		 -	
34 40 79 18 35 0.385 80 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 43 85 88 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89	17		0.415					- <u></u>						
36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89								40						
36 41 81 19 37 3.53 0.190 82 38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 42 44 87 22 43 136 34.1 5.29 0.335 88 44 44 60 60 60 86 42 44 60 60 60 44 60 60 60 60 44 60 60 60 60 44 60 60 60 60 44 60 60 60 60 44 60 60 60 60 45 89 60 60	18	35	0.385						80					
38 42 83 20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89							ļ	41						
20 39 15.5 1.35 0.035 84 40 43 85 21 41 58.7 8.64 0.600 86 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89	19		3.53	0.190				<u></u>		 	<u> </u>	↓	!	└
40 43 85 21 41 58.7 8.64 0.600 86 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89			1 	1 28	A 60#		 	42		 -	ļ	 	 	
21 41 58.7 8.64 0.600 86 42 42 44 87 22 43 136 34.1 5.29 0.335 88 44 0.055 45 89	20		15.5	1.35	0.035	<u></u>	 	-42		 	 	 		
42 42 22 43 44 5.29 0.055 45 88 49			E0 7	0.04	0.600	 	 	43			 	├ -	 	├
22 43 136 34.1 5.29 0.335 88 44 0.055 45 89	1-61		100.1	0.04	0.000		 	44		 	 	 	 	┼──┤
44 0.055 45 89	22		136	34.1	5.29	0.335	 	 		╟- <i></i>	 	 		
				† 	- -		0.055	45		 	<u> </u>	 		
23 45 231 81.6 24.1 4.41 0.265 90	23	45	231	81.6	24.1	4.41	0.265	1	90		<u> </u>		1.	

Table 5,2 (Continued)

DATE 11 August1956 TIME 2130-2140 CST

COLUMN TOWN AND THE TOWN TOWNS TO THE TOWN THE T

CONCENTRATION (mg m⁻³)

POST	NO.		Al	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50т	100m	200m	400m	800m
_1	1							46					
2	3						24	47 48	182	6.81			
	4						25	49	87.0	0.490			
3	5							50	24.2				
4	8						26	51 52	24.2				
	8						27	53	3.78				
5	9	ļ					- 00	54	2 112				
6	10						28	_55 56	0.440				
	12						29	57					
7	13			-			- 00	58		ļ			
8	14 15	 	-		ļ	——	30	59 60					
	16						31	61					
9	17							62					
10	18				ļ		32	63 64		 -	 		
	20		 -		 		33	65					
11	21							66					
12	22	0.225	 				34	67	<u> </u>				
12	24	0.223	 	 			35	69					
13	25	2.15	0.105			0,065 3.23	20	70					
14	26 27	14.3	2.07	1.59	0.435	3.23 13.8	36	71 72	 	 -			
13	28	14.5	2.01	1.55	0.433	10.2	37	73		 	 	 	
15	29	59.3	16.4	14.7	13.0	10.2		74					
16	30	168	61.4	45.8	32.8	6.74 5.77	38	75 76	 			 	}
10	32	1100	01.4	13.0	32.0	7,41	39	77					
17	33	359	180	75.6	37.4	5.91		78					
18	34	312	228	145	41.9	4.75 3.52	40	79	 		 	 	
1.0	36	316		140	11.5	3.21	41	81					
19	37	591	575	253	76.2	2.47		82					
20	38	641	575	200	50.5	1.03 0.225	42	83	╢		 		├
-20	40	1041	1010	200	-	0.130		85	 	 	 		
21	41	650	405	81.1	8.45	0.080		86			ļ		
	42		L			<u> </u>	44	87	 		 		1
22	43	552	198	14.8	0.420	 	45	88	╟ ~─~		 	-	 -
23	45	366	54.6	0.755	1			90			<u> </u>		

Table 5.2 (Continued)

DATE 11 August1956 TIME 2330-2340 CST

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CONCENTRATION (mg m⁻³)

POST	L NO		A	RC			POST	NO.		Al	RC		
Inner Arcs	800m arc	50m	100ш	200m	400m	800m	Inner	800m arc	50m	100ш	200m	400m	800ш
1	1							46					
 _	2	ļ					24	47	0,090				
2	3 4	 -			 -		25	48 49	0.095				
3	5							50	0.000				
	6						26	51	0.105	0,035			
4	7							_52					
5	<u>8</u> 9			 	 -		27	53	0,140	0.045			
	10			ļ			28	54 55	0.135	0.085			
6	11							56	000				
	12						29	57	0.185	0.075			
7	13							58					
<u> </u>	14	ļ	ļ		 -		30	59	2.95	0.130	0.040		
8	15 16	-	-	 -		 	31	60	12.0	0.140	0.040		
9	17		 	1			J.	62	12.0	0.140	0.010		
	18_				<u> </u>		32	63	83.5	2.19	0.025		
10	19							64					
 	20					<u> </u>	33	65	251	24.3	0.220		
11	21 22		 			ļ	34	66	492	161	6.51	0.055	
12	23			 	 			68	492	101	0.31	0.000	
	24		†	 	 	† 	35	69	747	405	71.4	0.445	
13	25							70			I		0.045
1-1-	26	 	ļ	 			36	71	830	540	203	17.9	0.160
14	27 28	}	} -	 	 		37	72 73	794	431	152	64.6	0.760 2.63
15	29	<u> </u>		 -	 		1	74	134	331	132	04.0	6.85
	30						38	75	-660	266	79.2	38.9	15.5
16	31				ļ	ļ <u> </u>		76					29.8 38.6
17	32	 	 	 			39	77	423	130	59.2	31.3	38.6
17	33 34	 	 	 	 	 	40	78 79	210	53.3	26.0	20.7	21.9
18	35	(-	<u> </u>	 	 	 	80	 	00.0			
	36			L	1		41	81	76.2	10.3	3.25	1.08	
19	37							82					
	38	 	 	 	 		42	83	21.9	0.580	0.054	 	
20	39 40	 	 	 	 		43	84	- -	 	 	 	
21	41	 	 	 	 	 -	1 -13	8G	5.45.	 	 -	ļ	
-	42	ļ		 	 	1	1-44	87	1.74	 -	 		
22	43							. 88	() 				
	4.1			ļ		ļ	¦45	89	, ——— !	<u> </u>	ļ		
23	45	0.075	L	L	<u>L</u>	L	.	90	ii	L	L	L	LJ

Table 5.2 (Continued)

DATE 12 August 1956 TIME 0300-0310 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A:	RC									
[]							POST	NO.		A1	RC		
Inner Arcs	800m arc	50m	100ш	200m	400m	800ш	Inner Arcs	800m arc	50m	100m	200m	400ш	900m
1	1							46					
	2						24	47					
2	3							48					
	4						25	49					
3	_5_							50					
4	6						26	51	ļ				
├─ ─┼	8						27	52 53	 				
5	9							54					 -
	10						28	55					$\neg \neg$
6	11							56					
	12						29	57					
7	13							58					
	14						30	59					
8	15 16	 -		 -		 	31	60 61	 				
9	17	<u></u>	 				31	62	 				
 	18			 -			32	63					
10	19			·				64					
	20						33	85					
11	21							66					
 	22			ļ			34	67					
12	23 24		 -				35	68	 				
13	25	 				 	35	69 70	 				
 •••	26	-					36	71	 	 			
14	27							72	-				
	28						37	73					
15	29							74					
	30		ļ			ļ	38	75					
16	$\frac{31}{32}$			-		 -	39	76 77	0.055				
17	33		 	 	-	 	38	78	0.033	 			
	34		 			 	40	79	0.795	0.025		\vdash — \dashv	
18	35						II	80	1				
	36 37						41	81	3.09	0.325			
19	37							82					
	38					ļ	42	83	11.8	1.53	0.040		
20	39		<u> </u>				 	84	05.0	0.50	A 655	0.035	
	40				 -	 	43	85 86	27.8	0.53	0.780	0.045	├ -
21	$-\frac{41}{42}$	 	 	 		 	44	87	53.0	17.6	4.53	0.860	0.050
22	43		 	 	 	 	 	88	100.0		1	3,550	0.230
 +	41			 	 	 	45	89	99.3	37.1	10.3	3.06	0.795
23	45							90					1.41

Table 5.2 (Continued)

DATE 12 August 1956 TIME 0300-0310 CST

CONCENTRATION (mg m⁻³)

Post	NO.		A	RC			POST	NO.		A	RC		10.37
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800т агс	50m	100m	200m	400m	800ш
46	91 92	173	55.8	16.4	5,54	1.94	- 00	136					
47	93	176	60.9	18.5	4.29	1.98 1.55	69	137 138				<u>-</u>	
- '' -	94	1	00.0		_1.47_	1.44	70	139		· ——			
48	95	224	78.0	18.9	5.40	1.34		140					
10	96	<u> </u>				1.46	71	141		ļ			
49	97 98_	224	74.1	22.9	7.39	2.08 2.02	72	142					
50	99	170	57.6	18.5	4.61	1.62	' -	144					
	100	-	01.50			0.975	73	145					
51	101	128	36.6	8.01	2.03	0.480		146					
52	102	60.0	15.5	2 21	0.500	0.150	74	147		├──			
32	103 104	68.9	15.5	3.31	0.520	0.025	75	149		 -	 		
53	105_	28.4	6.42	0.905	0.100			150			1		
	106						76	151					
54	107	15.5	1,56	0.085				152					
55	108	7.86	0.490	0,080			77	153 154		 	 		
-33	110	1.80	0.450	0.000			78	155		 	 		
56	111	3.53	0.130					156					
	112						79	157					
57	113	1.39.	0.055				-00	158 159		ļ	├~~		
58	114	0.055					80	160	 -	 	 		
- 30	116	0.000	 				81	161		<u> </u>	 		
59	117	0.020						162					
	118						82	163					
60	119	 -	 -	ļ			83	164		ļ	├		
61	120	⊪—-	 	ļ		 	63	166	 	├	├		
·	122	(-	 	 	 	 	84	167					$\neg \neg$
62	123							168					
	124			ļ	ļ		85	169		L			
63	125	 	 		ļ	 	86	170	<u> </u>	 	 		
64	126		 -	 	 -		-00	171		 -	 		
- 5.1	128	l 	 	 	 	 	87	173	-	 	1		
65	129	1						174					
	130					ļ	88	175		<u> </u>			
66	131	 		 	 	 	89	176 177		╅──	 	 	
67	132	<u> </u>	├─ ·─	 		 	1 00	178	 	 	 	 	
- 	134		 	 -	 	 	90	179		 	 		
68	135		1					180					
		<u> </u>	l	<u> </u>	l	<u> </u>	91	181		L	l	نــــا	

Table 5.2 (Continued)

DATE 12 August 1956 TIME 0500-0510 CST

CONCENTRATION (mg m⁻³)

·		·					11011 (1		, 				NO.38
POST	NO.		A	RC	······································		POST	NO.		A.I	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47					
2	3		}	 	<u> </u>	!	<u> </u>	48	ļ				
-3	5	<u> </u>	┼		ļ ————	 -	25	49 50	<u> </u>				
	6						26	51					
4	7							52					
5	8	 	 		 -	 	27	53					
	10		+	 		\vdash	28	54 55					
6	11							56					
	12						29	57					
7_	13	 	 	 -		 	<u> </u>	58	<u> </u>	 			
8	14	 	 	 -	 	 	30	59 60					
	16	 	+	<u> </u>		 	31	61	0,020				
9	17							62					
	18						32	63	0.350				
10	19 20	 	 -	├	 		33	64 65	1.74			 	
11	21	∦−−−−	+	 	 	-	-33	66	1.13	 			
	22		1				34	67	5.48	0.210			
12	23							68					
13	24	 		 	 _	├	35	<u>69</u> 70	19.4	1.08	0.020		
13	25 26	 	 	 	 	 -	36	71	54.6	5.00	0.270		
14	27	1	-	† -	 -	 		72	34.5	7.00	V.4.V		
	28						37	73	126	19.8	1.85	0.055	
15	30	 				├	38	74 75	1000	60.0	11.5	1 38	0.005
16	31	∤ -	+	 	 	├	1 30	78	219	57.6	11.5	1.36	0.075 0.520
	32						. s9	77	333	118	33.0	7.90	1.66
17	33							78					3.85
10	34	 		 	 	 	40	73	330	153	51.4	18.7	6.01
18	35 36	}	+	 	 	 	41	80 81_	360	134	46.9	13.7	6.44 4.63
19	37	1		 	†	 - - - -	1	82	1	1	1.2.2		1.91
	38						42	83	273	87.3	17.4		0.580
20	39	 	ļ <u> </u>	ļ	ļ	 	 	84	177	31 =	1 21	A 48A	0.085
21	40	₩	- -	 	 -	┼	43	85 86	170	31.5	4.61	0.430	
21	42	 	+	+	 	 	44	87	84.3	7.55	0.980	0.050	
22	43	1	1	1	<u> </u>			88					
	44						45	89	30,3	1,97	0,140	0.025	
23	45		<u> </u>		<u> </u>	L	Ш	90	lL	<u> </u>	<u> </u>	L	L

Table 5.2 (Continued)

DATE 12 August 1956 TIME 0500-0510 CST

CONCENTRATION (mg m⁻³)

							·		· ·			RON	NO. 38
POST	NO.	<u> </u>	A	RC		_	POST	, NO		A	RC		
			_							1			
ra s	E	٦	g	8	8	8	L 80	g	_	g	8	я	8
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner		50m	100m	200m	400m	800m
46	91 92	2.64	0.300					136					
47	93	1.38	0,050				69	137 138	├	 -	┝╾╌┥		
	94	1.00	0.030		 	-	70	139		 	 		
48	95	0.210						140			 		
	98						71	141					
49	97	0.030						142			<u> </u>		
50	98	 -					72	143	ļ	 -	 		
30	100					 	73	144 145			 		
51	101					 		146		-	 		
	102						74	147					
52	103							148					
	104	ļ	 				75	149					
53	105 106	 	 				76	150 151		 	 		
54	107		 				10	152		 	 		
<u> </u>	108					<u> </u>	77	153			 		
55	109							154					
	110						78	155					
56	111	ļ	ļ					156					
L	112				 -		79	157					
57	113	 			 -		80	158 159	 -	 	 		
58	115						- 80	160		 	 		
	116						81	161		 	 		
59	117							162					
	118						82	163					
60	119							164					
	120				ļ <u>.</u>		83	165	ļ				
61	121 122	ļ	 				84	166 167	 -		├		
82	123					 	04	168	 -	 	 		
<u> </u>	124	 -	 			 	85	169		 	├ -		
63	125		ļ ·		 -	 	- -	170	 -	 	 		
	126						86	171					
64	127							172					
	128				ļ	ļ	87	173					
65	129 130	 	ļ	ļ 			88	174 175		 	} -		
66	130	}- 		ļ		 	38	$\frac{175}{176}$	<u> </u>	 	├ -		
1-00	$\frac{131}{132}$		 		 	 	89	177	 	 	 		
67	133		 -		 -	 -		178	 	 	 		
	134		1				90	179					
68	135		ļ					180					
	<u> </u>		<u> </u>	l	<u>L</u>	<u> </u>	91	181		<u> </u>	<u>L</u> _		

Table 5.2 (Continued)

DATE 13 August 1956 TIME 2230-2240 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO		Δ.	RC		140.38
												<u></u>	
Inner Arcs	800m arc	50m	100m	200ш	400m	800m	finer Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					M
	2						24	47	362	117	36.8	8.24	M
2	3							48					M
3	4	ļ					25	49	470	140	42.7	17.0	_M_
1-3-	<u>5</u> 6_						26	50 51	425	16:	54.2	20.1	3.70 2.16
4	7						-20	52	420	10.	34.Z	20.1	1.56
	8					_	27	53	378	130	49.6	10.7	1.83
5	9							54					1.36
	10						28	55	249	79.7	20.6	3.43	0.835
6	11						<u></u>	56					М
7	12						29	57 58	155	37.5	4.42	0.540	M
	14	 					30	59	92.2	13.1	1 95	0.080	M
8	15							60	- U.L.	10.1	1.00	0.000	
	16						31	61	38.6	2.13	0.180		
9	17							62					
L	18						32	63	11.6	0.310			
10	19	 -						64		0.015	ļ		
11	20 21		 _				33	65 66	2.62	0.015	 		
	22	 					34	67	0.445				
12	23					•		68	0, 220				\vdash
	24						35	69	0.005				
13	25		ļ				<u> </u>	70			 		
14	26	 	 				36	71 72			 	 -	├ ─┤
1.4	28						37	73			 -	-	├
15	29							74	<u> </u>				
	30						38	75					
16	31							76				ļ	
12	32 33	0.005	0.040				39	77		 -			
17	34	0.225	0.040				40	78 79				 -	 -
18	35	1.22	0.110				1 40	80				 	┼┤
	36						41	81					
19	37	7.83	0.340	0.050				82					
	38						42	83					
20	39	30.3	1.86	0.210	0.060			84	<u></u>			ļ	├
21	40	01.9	1, -	0.250	0.075	_ <u>M</u>	43	85 86				 -	
 	42	91.8	11.1	0.350	0.075	<u>М</u> М	44	87				 -	
22	43	182	39.6	4.62	0.045	M	}	88			 -	 	
	44					M	45	89					
23	45	276	98.4	23.8	1.38	M		90	!	L		<u></u>	

Table 5.2 (Centinued)

DATE 14 August1956. TIME 0030-0040 CST

CONCENTRATION (mg m⁻³)

		<u> </u>					11014 (1		,			11011	NO. 40
POST	г ио.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100т	200m	400m	800m
1	_ 1							46					
	2						24	47					
2	3		├ ──-					48					
3	5		 				25	49 50	 -				
	6						28	51					
4	7							52					
5	8	- 	 				27	53					
├ ~	10		 	 			_28	54 55					 -
6	11						- 	56					
	12						29	57					
7	13	 	 	 				58					
8	14	ļ	 	 	ļ		30	59 60	 				
├ ~	16	 	 	 			31	61					
9	17				·			62					
	18						32	63					
10	19	 	 	 -	 			64					ļi
11	20	╟	 -	 	 	 -	33	65 66	<u> </u>	-			├
	22		 				34	67					
12	23							68					
13	24 25	 	 -			 -	35	69	0.295				
13	26	 	 -	 	 	 	36	70 71	0.640	 			
14	27		 	 		 		72	0.040	-			
	28					<u> </u>	37	73	2.85	0.080			
15	29	 	 	 			 	74		- 42-2	2 2 2 2		
16	30 31	}	 	 	 	 	38	75 76	11.6	0.455	0.025		
	32	<u> </u>	1	1	<u> </u>	 	39	77	24.9	2.97	0.180	M	
17	33		I					78	1				
	34		ļ			1	40	79	64.8	14.2	2.33	M	
18	35 36	 	┼──	├		-	41	80 81	156	42.2	11.5	M	0.003
19	37	 	 	 	 -	 	1-41	82	130	76.6	11.0	141	0.735
	38		<u> </u>	<u> </u>	 		42	83	227	76.4	25.8	M	1.38
20	39							84					1.64
<u></u>	40		ļ				43	85	318	105	27.9	M	1.72
21	41	 	 	 		 	44	86 87	210	00.0	26.8	14	1.57
22	43	 	 -	 	 	 	1-44	88	312	99.9	20.8	M	1.55
	44		1			<u> </u>	45	89	281	77.1	24.3	M	1.56
23	45							90					1.38

Table 5.2 (Continued)

DATE 14 August 1956 TIME 0030-0040 CST

CONCENTRATION (mg m⁻³)

200	1				-				, , , , , , , , , , , , , , , , , , , 			RUN	
POST	NO.		A	RC			POST	NO.			RC]
Inner Arcs	800m arc	50m	100m	200m	400ш	800m	Inner Arcs	800m arc	50ш	100m	200m	400m	800m
46	91	215	75,6	18.5	4.95	1.34		136					
45	92	-	50.5	 -	0.20	1.28	69	137	<u> </u>		├ ──-├		i
47	93 94	201	53.7	17.7	3.73	1.36	70	138 139	 	 		}-	
48_	95	204	52.7	16.6	5.05	0.900	10	140	 -	 	 	-+	
<u> </u>	96	-	00	20.0	0.00	1.22	71	141	 -	 	 		$\neg \neg$
49	97	168	55.8	14.5	4.80	1.36		142					
	98					1.62	72	143					
50	99	180	74.1	23.7	5,85	1.79		144					
	100					2.21	73	145			 	<u>_</u>	
51	101 102	185	76.4	32.7	14.6	3.33	F-74	146		 -	├── ┤		
52	103	125	49.1	14.5	5.85	5.99 6.48	74	147		├	├ ┤		
1 2	104	123	49.1	14.5	3,83	2.80	75	149		 	 	+	
53	105	68.3	16.1	2.15	0.375	0.465	- '	150		 			
	106				VIVIV	0.045	76	151					$\neg \neg$
54	107	33.0	2.19	0.085				152					
	108						77	153		1			
55	109	10,7	0.195					154					
	110						78	155			 		
58	111	1,35				 		156	<u> </u>	 -			
57	112	0 150				ļ	79	157		 	 		
31	113	0.150				 	80	158 159	 -	 	 		~
58	115	0.025				 		160		 	{ +		-
-	116	0.020	 				81	161		 	 		
59	117							162		 	 		
	118	· · · · · · · · · · · · · · · · · · ·					82	163					
60	119							164					
	120						83	165					
61	121	<u> </u>				ļ		166		<u> </u>	1		
L	122	 	ļ		L	 	84	167	L	├	∤		
62	123	ļ	i		İ	·	85	168 169		 	╂		
63	124	∳	 -		 	 	83	170		 	 	+	
103	126	/	 		 	┼	86	171		 	┽		
64	127	- 	 -		 	ļ	<u></u>	172	 	 	 -		
<u>~</u>	128	<u> </u>	 		f ·	1	87	173		 	 		$\neg \neg \neg$
65	129		 			1		174		1	1		$\neg \neg \neg$
<u> </u>	130					1	88	175					
66	131							176					
1	132					ļ	89	177		 	11		
<u>67</u>	133			ļ		ļ		178	<u> </u>		 		
<u></u> ⊢	134	 	ļ		├	i	90	179	 	-	-∤ -		
<u> 68</u>	135		 -		 	·	91	180 181	}	ļ	 -	- -	~
L	<u> </u>	L	L	i	l	1	II ar r	101	L	ــــــــــــــــــــــــــــــــــــــ	11		

Table 5.3 (Continued)

DATE 14 AUGUST 1956 TIME 0300-0310 CST

. CONCENTRATION (mg m⁻³)

		1				7	·		, 				10. 41
POST	r no.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Imer Arcs	800m arc	50m	100m	200m	400m	800m
46	91							136					
	92						69	137					
47	93 94	 	ļ				70	138 139	 -				
48_	95	0.260						140	 		 		
40	96	V.20V_					71	141	<u> </u>	 	1		-
49	97	2.60	0,185					142	ļ				
	98						72	143					
50	99	22.7	1.92	0.125				144		ļ			
<u></u>	100		l			L	73	145		ļ			
51	101	74.7	18.6	2.27	0.235	0.010	74	146 147		 	╂╼╼╼┥		
52	102 103	198	59.7	17.6	4.32	0.010		148	 	 -	╂╼═╼╌┤		
102	103	180	38.1	11.0	7.34	1.34	75	149		 	 		
53	105	378	142	48.8	16.7	4.33	-,,,	150		 	1		
	106	W/W	-	10.0	***	8.57	76	151					
54	107	450	189	67.8	25.0	9.92		152					
	108					6.43	77	153					
55	109	362	144	39.0	9.00	1.72		154					
	110					0.400	78	155	L	ļ	ļ		
56	111	236	64.7	9.81	0.675	0.055		156	ļ	 	 		
57	112	100	15.0	0 705			79	157 158	<u> </u>		+		i
131	114	106	15.0	0.765			80	159		 	 		
58	115	33,6	2.10	0.035	 -	 	i - 00	160	}	 	1		
100	116	33.0	2.10	0.033	 	 	81	161	 -	 	 		
59	117	4.97	û.295			 -		162		1	-		
	118		<u> </u>				82	163			1		
60	119	0.270						164		 	†		
	120						83	165			I		
61	121							166					
<u> </u>	122	ļ					84	167	ļ	 	 		ļ
62	123	ļ	ļ		ļ		<u> </u>	168	i		 		
- 00	124	 		 	 -	 	85	169	 -	 	ļ		 -
63	125	∤	 -	 	 -	 	86	170 171			+		
64	126 127	ł! -	 	 	├	 	1 00	172		 	 -		
	128	 	 	 -	 	 	87	173		 	 	 	
65	129	(†	 	1- <u></u> -	174		 	 		
1	130		1	ļ	<u> </u>	1	88	175	 -	1	†	 	
66	131			1	<u> </u>]	176					
	132						89	177					L
67	133			L	, <u>-</u> -		 	178		.	ļ	L	
	134	 	L	 	<u> </u>	ļ	90	179	J	 	 		L
68	135	 	 			<u> </u>	 	180	- -		 	 -	
	<u> </u>	<u></u>	<u> </u>	<u> </u>	L	<u> </u>	91	181	l	<u> </u>	<u> </u>	J	ــــــــــــــــــــــــــــــــــــــ

Table 5.2 (Continued)

DATE 14 AUGUST 1956 TIME 0500 - 0510 CST

CONCENTRATION (mg m⁻³)

								1.6	, 				NO. 42
POST	r no.		Al	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91							136					
	92						69	137	1.05	0.055			
47	93							138			_		
	94						70	139	0.075				
48	95						<u></u>	140	<u> </u>	 -			
10	96						71	141	}				
49	97						72	142 143				-	
50	99							144	 				
1-00	100						73	145	-				
51	101	0.580					 	146					
	102						74	147					
52	103	0.945						148					
	104						75	149					
53	105	2.61						150	<u></u>		Ļ		
-	106	ļ					76	151	ļ		ļ		ļļ
54	107	9.68	0.440					152	 		 		
55	108	1010	0.00	0.075	0.005		77	153 154		 	 		
20	109	21.0	2.88	0,075	0.005		78	155	 		 		
56	1111	50.3	5,87	1.07	0,045		- "	156	 				
1 30	112	30.3	5,61	1.01	0,040		79	157		 	_	 -	
57	113	106 -	25.2	5.24	1.07	0.070		158					
	114		00,0			0.280	80	159					
58	115	183	53.6	15.6	3,49	0,725		160					
	116					1.31	81	161					
59	117	242	83.9	25.3	7,12	1.70		162					
	118					2.13	82	163	ļ	<u> </u>		ļ	
60	119	276	100	31.5	7,77	1.98	<u> </u>	164	ļ			ļ	ļ'
	120	 				1.95	83	165		 -	ļ		ļ
61	121	254	84.8	23.4	5,59	2.11	84	168 167	 	 	ļ	 -	ļ
62	122	204	56.1	15.5	5.16	2.11	- 04	168	 	 -	 	 	
102	$\frac{123}{124}$	444	70.1	10.0	0.10	1.76	85	169	- 	 -		 	
83	125	127	41.3	12,6	4.17	1.36	- -	170	<u> </u>		 	 	
- -	126	 ** 		1.5.0	****	0.815	86	171	<u> </u>	 	 	 	
64	127	103	32.3	8.56	1.94	0.310		172	!		 		t
	128					0.070	87	173					
65	129	76.2	17.1	2.76	0.455	0.020		174					
	130						88	175		ļ			
60_	131	48,6	4.52	0.595	0,080	<u></u>	<u> </u>	176	 	ļ	ļ	ļ	
<u> </u>	132	1	~~_~~		ļ	└	89	177	 		 _	 -	ļ. ——
-67	133	19.7	1.23	0.090		·	90	173	 -		+		 -
1-60-	134				 	 	30	180	├ ──	·		 	 -
68	135	2.19	0,225		 	 	91	181	├ -	 -	 	 -	
L	<u> </u>	Ш		L	ــــــــــــــــــــــــــــــــــــــ	L	II 31 -	1101	11	L	1	ـــــ	J

Table 5.2 (Continued)

DATE 15 August 1956 TIME 1200-1210 CST

CONCENTRATION (mg m⁻³)

POST	NO.	<u> </u>		BC.		I	Doom						110. 10
	110.	ļ	^	RC			POST	NO.		Α.	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					0.055
	2						24_	47	2.43	0.240	0.025	0.275	0.080
2	3			-				48			-		0.125
	4						25	49	3.71	0.625	0.245	0.515	0.095
3	5							50					0.075
	6						26	51	10.4	1.91	0.965	0,615	0,085
4	7							52					0,100
<u> </u>	8			 			27_	53	26.1	3.42	1.72	0.565	0,090
5	9	 		ļ	ļ	 		54	20.5				0.095
6	10 11	 -	 -	 	 -		28	55 56	38.7	5,30	1.80	0.575	
F-	12	 	 	 		-	29	57	49.4	8.58	2.63	0 726	0.090
7	13		 				28	58	30.3	0.56	2.03	4.120	0.080
<u>-</u> -	14		 	 		 	30	59	64.5	21.3	3.79	0.825	
8	15			†				60	04.0	21.0	0.10	V.029	0.075
	16					1	31	61	81.2	33.2	5.27	1.29	0,050
9	17							62					0.095
	18						32	63	111	36.6	7.65	1.02	0.165
10	19		l	ļ				64					0.145
<u> </u>	20	<u> </u>		↓	ļ		33	65	126	39.0	9.47	0.935	0.075
11	21		 					66	<u> </u>	ļ <u> </u>		1	0.080
12	22	 	 	 			34	67 68	114	26.4	6.31	0.735	
12	24	 	 	 			35	69	116	20.6	3.97	0.745	0.065
13	25	 	 	 	 -	 	- -	70	110	20.0	3.91	0.749	0.075
	26	 	 	 		 	36	71	123	23.3	5.13	0.625	
14	27		<u> </u>					72					0.080
	28						37	73	114	26.4	6.93	0.715	
15	29	II						74				<u> </u>	0.100
	30	l	ļ	ļ	ļ	 	38	75	137	40.4	7.09	1.47	0.120
16	31	}	 	 -				76	150	100	11.0	1.00	0.135
17	32		 	 	 		3 9	77 ⁻	153	42.3	11.9	1.82	0.250 0.255
	34		 	 			40	79	189	46.5	14.7	2.40	0.305
18	35	!¦ 	 -	 	 			80	1.05	30.5	1.3.1	2.30	0.450
	36	i 	 	 	 	<u> </u>	41	81	219	51.2	16.9	2.63	0.450
19	37		†	1				82		1	1		0,490
L	38		1				42	83	249	58.2	14.0	2.45	0.540
20	39			Ĭ				84					0.490
	40						43	85	225	57.3	11,6	2,10	0.460
21	41	ļ <u>. </u>	ļ	<u> </u>	ļ	0.055	 ,	86	<u> </u>		l	 	0.410
<u></u>	12	II.	 	 	<u> </u>	0.060	44	87	200	48.8	10.5	2.07	0.330
22	43	0.025	 	- -	ļ	0.070	45	88		1.0-	 		0.275
23		0.405	 -	 	0.000	0.115	45 -	$\frac{89}{90}$	177_	40.8	7.21	J. 76	0.205
L 23	1	0.465	L	.L	1 0.080	0.080	!!	. 50	II	L	1	L	0.205

Table 5.2 (Continued)

DATE 15 August 1956 TIME 1200-1210 CST

CONCENTRATION (mg m⁻³)

POS1	NO.		Ai	RC			POST	NO.		A	RC		10,40
inner Arcs	800m arc	50m	100ш	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	135	30.9	6.81	1.36	0.220		136					
	92	1		- 00		0.240	69	137					
47	93 94	121	30.5	7.09	0.910	0.235	70	138 139		 -	1	 ∤	
48	95	114	19.5	5,55	0.710	0.155		140	 	-	 		
	96			7,00	V. 12V	0.125	71	141		-			
49	97	81.6	23.6	4.99	0,490	0.100		142					
	98		100		2 2 2 2 2	0.070	72	143		 	}_		
50	99 100	66,0	18.6	3.12	0.325	0.050	73	144 145	├		 		
51	101	49.8	11.1	1.24	0.135	0.030	13	146		 			
	102	l				1	74	147					
52	103	31.5	6.83	0.125				148					
	104					 	75	149		ļ			
53	105 106	8.55	2.22	0,045		 	76	150 151		ļ	╄		
54	107	4.77	0,520		 	 	10	152		 	 		
U.	108	3.1	0.320		 	 	77	153		 -			{
55	109	4.40	0.035					154		<u> </u>			
	110						78	155					
56	111	1.77			ļ			156			 		
57	112	1.49	 		 	 	79	157 158		 	 		
131	114	1.45	 		ļ	 	80	159		 	+		——[
58	115	0.045				 		160		···	 		
	116	j	1				81	161					
59	117							162					
-	118	 	ļ				82	163		 	↓		
60	119	⊪	 			 	83	164 165		 			
61	120	}	 -		 	 	-03	166		 	+		
	122	 	 	<u> </u>	 	 	84	167	-	 	11		
62	123					1		168					
	124				ļ	1	85	169]			
63	125	ļ		 	 	 	<u> </u>	170	<u> </u>	 	 		
-64	126	 		 -	├ ──	 	86	$\frac{171}{172}$		 	 		
61	127 128	├	 -	 	 	 	87	173	i}	 	 	 	
65	120	╢	 	 	 	 	11- 	174	ļ———	 -	 -	r 1	
l	130						88	175					
66	131							176		1			
	132	 	ļ	·	ļ	<u> </u>	89	177	 	 			
67	133	- 	 	 	· · · ·	 	90	178 179	 	-	 -		
\ ~68 ~	$\frac{139}{135}$	 	 		 	 	<u></u>	180					1
1.00			<u> </u>	• •	 	 	91	181	ļ	†	1		
l	4	ш				-	Π	<u> </u>	4			└ ──	

Table 5.2 (Continued)

DATE 15 August 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

	 -						, 	-					
POST	NO.		AF	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800ш	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47	41.4	9.18	1.33	0.320	
2	3							48				- 48.5	
<u></u>	4						25	49	36.0	7.85	1.03	0.405	0.060
3	5 6						26	50 51	35.1	6.30	1.84	0.300	0.080
4	7							52	33.1	0.30	1.04	0.500	0.080
	8						27	53	58.7	9.24	3.99	0.675	0.125
5	9							54					0.145
	10						28	55	98.5	21.3	5.47	1.25	0.125
6	11						ļ <u></u> -	56	100	00.1	7.0	1 54	0.240
7	12 13	ļ					29	57 58	120	28.1	7,16	1,54	0.185
	14	 					30	59	153	36.3	6.67	1.30	0.220
8	15						- 	60	100	70.0	V.V.		0.240
	16						31	61	148	40.4	7,34	1.03	0.215
9	17_							62					0.215
	18						32	63	150	42.9	12.2	1.23	0.200
10	19 20	 					33	64 65	156	40.0	15.1	0.04	0.130
11	21	 				 	1 33	66	130	46.2	113.1	2.94	0.130
 ••	22					 	34	67	143	45.9	13.2	2.77	0.385
12	23							68_					0.505
	24						35	69	162	44.0	12.2	2.46	9.565
13	25	0.065				ļ		70	 	 			0.575
14	26 27	1.50				 	36	71 72	162	44.6	9.87	2.60	0.545
17	28	1.56	 			 -	37	73	188	39.8	9.37	2.54	0.585
15	29	4.01	0.040			 		74	-	1	1 2.21		0.605
	30						38	75	191	49.8	10.9	3.12	0.465
16	31	5.48	0.375				- 	76		 	 	-	0.455
177	32	11.0	1 02	0.105		 	39	77	168	53.9	12.4	2.72	0.445
17	33	11.9	1.23	0.195		 	40	79	135	39.5	9,87	1.96	0.345
18	35	16.1	4.16	1.18		1	 ``	80_	1 ***	1 444	1-0-		0.290
	36						41	81	109	31.1	7.67	1.98	0.240
19	37	27.0	9.24	2.75	0.030			82_	<u> </u>			ļ_ 	0.210
	38						42	83	89,0	18.9	6.17	1.77	0.165
20	39	32.0	15.2	2.55	0.125	 	1-42	84	70.1	12.6	3.60	0 925	0.135
21	40	42.9	14.7	3.44	0.385		43	86	10.1	1.2.0	3.00	0.03	0.160
141	42	74.5	13.1	0,77	· · · · · · ·	 	44	87	69.3	10.5	1.81	0.55	0.150
22	43	48.8	15.3	5.24	0.265	<u> </u>	1	88	1				0.170
	44						45	89	46.5	6.35	1.18	0.19	0.195
23	45	48.5	12.4	2.75	0,405	<u> </u>	┈	90	<u> </u>	<u> </u>	<u> </u>	l	0.105

Table 5.2 (Continued)

DATE 15 August 1956 TIME 1400-1410 CST

CONCENTRATION (mg m⁻³)

						ENIKA	11011 (mg m				RUN	NO.44
POST	г ио.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91	23.6	2.78	0.355	0.060			136					
<u> </u>	92						69	137					
47	93	18.5	1.36	0.085	0.055			138		 			—
48	94 95	0.42	0 500	0.050	0.000		70	139 140		 	 		—
46	96	8.43	0.500	0.070	0,030		71	141		 	1		
49	97	6.17	0.090					142		 -	1		
<u> </u>	98	- 	0.000				72	143		 	 	┷	——
50	99	2.87						144		 	1		-
	100						73	145					
51	101	0.355						146					
L	102	 	 _				74	147		ļ			
52	103	 					<u> </u>	148		ļ			
50	104	ļ					75	149	} -				
53	105 106	} -	 -			L	76	150 151		 -	 		—
54	107	├ ──				 	10	152	}	 	+		i
 31	108	 -					77	153		 	1		
55	109	 					 	154		 -			
	110						78	155		 	-		
56	111							156		1			
	112						79	157					
57	113							158					
	114						80	159]			
58	115							160					
	116]					81	161		1			
59	117	II	L				<u> </u>	162	L	<u> </u>			
	118	 	ļ.——	ļ			82	163			↓		
60	119	} -	 			ļ	02	164		 	1		
61	120	 	ļ 				83	165 166	<u> </u>	 	 		
61	122	 -	 	 -			84	167		 	 		
62	123	 	 				∦ . 	168		 	+	 -	
Ju	124	 		·		 -	85	169		 	+		
63	125	╢	 	ļ		 	<u> </u>	170		 -	 	+	\dashv
<u> </u>	126	-	1			1	86	171		1	1		
64	127	1						172		1			
	128						87	173					
65	129							174					
	130						88	175				\Box	
66	131	 -		ļ		}	1-65-	176		 	 		i
	132	i	L				89	177		 	4		
67	133	 	l 	<u> </u>	·	 		178 179			├		
100	134	 	ļ			 	90	180		-	 		
68	135	 -		 			91	181			 		
	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	L	L	L	L	П	101	L				

Table 5.2 (Continued)

DATE 15 August 1956 TIME 1700-1710 CST

CONCENTRATION (mg m⁻³)

PCST	NO.		A	RC			POST	NO.		A	RC		
									 -				
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Imer Arcs	800m arc	50m	100m	200m	400m	800m
1	_1							46					
	2						24	47	0.065				
2	3							48					
	4	<u> </u>					25	49	0.520	ļ			
3	<u>5</u>	 					26	50 51	3.08	0.040			
4	7							52	3,00	0.040			
	8					-	27	53	11.5	0.140			
5	9							54					
<u></u>	10	ļ					28	55	27.8	0.790	0.085		
6	11						29	58 57	45.8	3.24	0.660		
7	13				 		28	58	43.6	3.29	0.000		
<u> </u>	14						30	59	71,7	11.3	1.04	0.075	
8	15							60					
	16						31	61	114	25.5	5.40	0.740	0.060
9	17			 				62					0.115
10	18 19			-			32	63 64	168	48.9	11.6	3.98	0.295 0.695
10	20	 		 	 		33	65	204	73.2	21,5	4.95	1.06
11	21						- <u>`</u> -	66	 -	1.0.5	1		1.80
	22						34	67	246	86.9	28.6	7.12	2.50
12	23	 		 		 	I	68					2.94
13	24 25		 -	 	 -		35	69 70	266	99.0	31.4	8.93	2.20 1.84
 -	26	 -		-			36	71	291_	98.6	29.8	7.24	1.43
14	27	<u> </u>			 -	 	<u> </u> -	72	1	00.0	10.0	1.67	1.82
	28						37	73	285	86.3	24,2	6.85	2.27
15	29	 		├			1-00-	74	200		20-7	L	2.81
16	30 31	 -	 	 	 		38	75 76	297 •	99.3	28.6	8.37	2.29 1.90
	32	 	 	 	 	 	39	77	362	114	41.4	6.56	1.50
17	33					İ		78			<u> </u>		0,735
	34						40	79	288	105	28.1	3,39	0.330
18	35	 			 	<u> </u>	 	80	1	50.4	 	1 15	0.125
19	36 37	 	 			 	41	81 82	215	58.4	10.9	1.17	0.060
10	38			 	 	 	42	83	150	32.7	3.97	0.420	0.023
20	39		†	 	 		1	84		f	1	1	1
	40						43	85	105	18,0	1.45	0.075	
21	41							86					
	42		ļ	ļ. ——	 	: 	44		65.7	8.06	0.450		ļ
22	43	 	ļ	 	 	 -	45	85		- 15	10.00		¦
23	44 45	0.040		 	 	 	1 - 1 3 - 1	89	34.2	1,47	0.025		
	1 13	טביט.טון	L	 _	ــــــ	L	Ш		Щ	L	┸	<u></u>	

Table 5.2 (Continued)

DATE 15 August 1958 TIME 1700-1710 CST

CONCENTRATION (mg m⁻³)

					COME	ENIKA	11011	111B 111				RUN I	NO.45
POST	NO.		Al	RC			POST	NO.		4	ARC		
Inner Arcs	800m arc	50m	100ш	200m	400m	80072	Inner		20m	100m	20011	400m	800m
46	91	10,9	0.170				69	136 137		ļ	1		
1-45	92	1 00	0.005			 	08	138		╁	╅		
47	93 94	1,88	0.035				70	139	~	 			
48	95	0.545	-		 	 		140		╂			
10	96	0.0.0	 -		 	 	71	141		1	1		$\neg \neg$
49	97				1		 -	142		1			$\overline{}$
1	98						72	143					
50	99							144					
	100						73	145					
51	101	L	ļ			<u> </u>	<u> </u>	146		· 			
1-5	102	}	 		├ ──	 	74	147		+			
52	103	 	 	 	⊹ -	 	75	148 149		+	┵		
53	104	 		 	 	 		150		┼	++	 +	
33	106	ļ	}		 -	 	76	151		+	-		
54	107	╂───	 		†	†	 	152		†			
	108	 	 	1	1	1	77	153		T			
55	109	 			 		1	154					
	110	1	i				78	155					
56	111							156					
	112						79	157	<u> </u>	↓			
57	113	<u> </u>	<u> </u>				II	158	ļ		-		
L	114					 	80	159	 				
58	115	↓		├ -	 	 	- 	160	 -				
<u> </u>	116	<u> </u>			 	 	81	161 162	<u> </u>	-			
59	117	╢	 	├	 -		82	163	 				
 	118				┼──		- 62 -	164		+			
60	120	 		 	+	- 	83	165	}	+	- 		
61	121	╂───	+	 	+	 	╢	166	 	1			
1	122	- 	+	 	 	†	84	167	!				
62	123	╢	 -		 	1	1	168					
<u> </u>	124	1		1	1	1	85	169					
63	125	1	1					170					
	126			T			86	171	1				
64	127					1		172	 				
1	128			ļ		_	87	173	 	_			
65	129	J	.	l			1	174	 -				
	130	<u> </u>	-		 		88	175 176	╂			├	
<u>_66</u>	131_	-					89	177	 	- -		 	
L	132						- }-	178	{}		- 	 	
67	133		- 	 	 		90	179	 		-	 	
_68	$\frac{139}{135}$.					- 	180	∤ }···−−			 	
1-00	13.	┪		+	+	 	91	181	 -				
l		ш		ــــــــــــــــــــــــــــــــــــــ			-11		ــــــــــــــــــــــــــــــــــــــ				

Table 5.2 (Gontinued)

DATE 15 August 1956 TIME 1845-1855 CST

CONCENTRATION (mg m⁻³)

7000							11011 (00.40
POST	r ио.		Α.	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100т	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					1.01
	2						24	47	434	114	27.8	4.84	1.12
2	3							48					1.81
	4	ļ					25	49	363	111	32.8	8.48	2.62
3_	5	ļ			-			50	005	00.1	200		3.08
4	7	 					26	51 52	267	92,1	32.0	11.0	2.83 1.74
<u> </u>	8						27	53	206	72.5	22.1	6.63	0.895
5	9							54				-2132	0.445
	10						28	55	147	41.0	11.8	1.44	0.110
6	11_	ļ						56					0.060
7	12	ļ					29	57	99,0	28,4	4.29	0.235	0.015
 	14	 					30	58 59	54.5	17,1	0.480	├	
8	15	 					-30	60	01.5	41.4	0.400		
	16						31	61	37.1	4.79			
9	17							62					
	18						32	63	13.9	0.265			
10	19	 						64	<u> </u>	- 100	<u> </u>		
11	20 21	l 	 -				33	65 66	11.4	0.130	 		
	22	<u> </u>					34	67	1.88	0,040	 -		
12	23						- 	68	1.00	0,0.0	t		
	24						35	69	6.37	0.140			
13	25	 						70		1	1		
14	26 27	0.005	2 442	0.056			36	$\frac{71}{72}$	0.160	0,155		├- —	
1-3-	28	0.065	0.110	0.055	-		37	73		 	 -	 -	
15	29	0.535	0.125	0.055				74					
	30			1			38	75					
16	31	4.59	0.325	0.085				76					
17	32 33	100			0.050		39	77		 		 	
	34	16.4	2.09	0.420	0.050		40	78 79		 	 	 	├
18	35	59.3	13.5	3,53	0.715	0.095	- -	80		 	 	1	
	36	3312	1			0.445	41	81					
19	37	177	58,8	17.6	3.95	1,10		82					
	38	001	100	50.		3.22	42	83			ļ	 _	
20	39 40	384	131	53.1	15.0	6.08	12	84 85		ļ	 -		├─┤
21	40	512	198	60.8	20.9	3.63	43	86		 	 		├
	42	1012	180	30.6	20.3	3.11	44	- <u>85</u> -			 		├
22	43	564	188	47.8	12.6	4.01		88			 		
	44					3.06	45	89					
23	45	546	142	33.3	9.79	1.86	L	90	L	L	L	<u> </u>	لـــا

Table 5.2 (Continued)

DATE 20 AUGUST 1956 TIME 1000 - 1010 CST

CONCENTRATION (mg m⁻³)

							11011	<u> </u>	· ,				NO. 47
POST	L NO		Al	RC			Post	NO.	L	A1	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100ш	200m	400m	800m
46	91							136					
	92						69	137	49.2	6,32	1,49	0.405	0.035
47	93	ļ						138	ļ	 			0.040
	94						70	139	68.1	7.22	1.29	0.515	0.075
48	95	ļ					ļ.,	140		ļ. <u>.</u>			0.090
40	96 97	ļ					71	141	67.5	11.3	2.09	0.445	0.095
49	98						72	142 143	92.7	18.0	2.40	0.625	0.110 0.105
50	99						- <u>'-</u> -	144	92.1	10.0	2.08	0.625	0.100
-30-	100	ļ					73	145	139	24.8	3 72	0.745	0.100
51	101							146	-	122.0	••••	0.120	0.110
	102						74	147	182	35.4	3,67	0,685	0.140
52	103							148		1			0.200
	104						75	149	213	47.6	6.46	1.06	0.240
53	105						<u> </u>	150					0,205
	106	 				ļ	76	151	218	42.6	9.49	1.38	0.205
54	107	 				<u> </u>	 	152	<u> </u>	 			0.180
<u> </u>	108	 					77	153	224	42.8	7,33	1,29	0.180
55	109	 	<u> </u>			 	78	154	1200	1400		0.00	0.165
56	110					 	 '^-	155 156	260	42.3	6.02	2.00	0.175
30	112	 				 	79	157	263	47.6	5.51	1.36	0.110
57	113					 	- '- -	158	200	131.0	0.01	1.00	0.145
- 	114	₩					80	159	278	47.4	7.70	1 42	0.165
58	115	i				 	1	160	-	1	1		0.165
<u> </u>	116	1					81	161	293	45.8	7.09	1.12	0.105
59	117	1				 	1	162			1		0.085
	118	1					82	163	284	53.3	6.65	0.975	0.100
60	119							164					0.125
	120						83	165	221	45.5	7.84	1.02	0.120
61	121	0.480			ļ		<u> </u>	166	<u> </u>	<u> </u>	ļ	<u> </u>	0.145
 	122	II				<u> </u>	84	167	192	41.6	8.33	0.955	0.085
52	123	2.18	}		ļ	ļ	1 - 35	168	 	 	<u> </u>		0.055
<u></u>	124	II					85	169	158	41.7	7.40	1.38	0.080
63	125	4.61	0.080	<u> </u>	 	 	86	$\frac{170}{171}$	1-00	00.0	0.00	0.015	0.065
F64-	126	0.50	1 00	0.040	 	 	1-00	172	122	39.0	A'3A	0.845	
64_	$\frac{127}{128}$	9.56	1.20	0.040	 	 	87	173	85.2	26.0	5 90	0.695	
65	129	19.7	6.32	0.625	 	 	₩ <u>~~</u> ;	174	D3.4		3.00	V.083	
	130	10.1	0.52	0.023	<u> </u>	 	88	175	42.3	15.6	4.10	0.565	
66	131	25.7	6.00	0.415	0.135	1	1	176	1	1 212	1		
, <u></u>	132	1					89	177	37.1	10.2	3.34	0.415	
67	133	33.5	4.92	0.735	0.155			178	ll		<u> </u>		
	134					<u> </u>	90	179	22.2	7.46	2.54	D.435	ļ
68	135	37.1	5.61	0.795	0.225	 -	IJ- <u>-</u> -:	180_	41		 _	<u> </u>	
	<u> </u>	<u> </u>	<u> </u>	L	L	┸	91_	181	21.3	4.43	1.32	<u>b.470</u>	ــــــــــــــــــــــــــــــــــــــ

Table 5.2 (Continued)

DATE 20 August 1956 TIME 1233-1243 CST

CONCENTRATION (mg m⁻³)

RUN NO. 48-S

Post	ΓNO.		Α	RC			POST	NO		Δ	RC		NO. 48-
<u> </u>										<u> </u>			
Inner Arcs	800m arc	50ın	100m	200т	400m	80Cm	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	_2						24	47	1.92				
2	3 4						25	48 49	1.85	 -			
3	_5						- 23	50	1.65	 			
	6						26	51	1.83				
4	7 8		 	 			27	52 53	3.03	 			
5	9	ļ					-61	54	3.03				
	10						28	55	4.89				
6	11							56					
7	13		 				29	57 58	4,74				
	14					-	30	59	5.51	 			
8	15							60					
9	16	ļ					31	61 62	5.97	 			
-	18	 	 				32	63	13.3	0.040	ļ -		
10	19							64					
11	20 21	ļ					33	65	19.2	0.130			
	$\frac{21}{22}$	ļ		 			34	66	26.9	0.620			
12	23							68	40.5	0.020			
	24						35	69	27.3	1.01			
13	25 26	ļ		 		 	36	70 71	31.5	3.66	 		
14	27						- 30	72	31.5	3.00	 -		
	28						37	73	35.3	4.35			
15	29 30	ļ	ļ	ļ		i	38	74 75	20.0	4 90			
16	31	0.045		-			30	76	39.6	4.88	 		
	32	<u> </u>					39	77	51.8	8.52			
17	33	0.970	 			 	∥ i	78	<u> </u>				
18	35	0.155	 -	 		 	40	79 80	49.5	10.1	0.150		
	36			1		<u> </u>	41	81	57.0	10.3	0.255		
19	37	0.245					i	82					
20	38 39	0.355	 -	 		 -	42	83	55.2	12.8	0.260		
	40		-	 			43	-84 -85	74.7	9.38	0.455		
21	41	0.595	 	1			Ĭ <u>`</u>	86					
	42			+			44	87	62.3	9.03	1.11		
22	43	1.15	ļ <u></u> _	 	<u> </u>	<u> </u> -	45	88] 89	57.0	8.40	1.12		
-23	45	1.25	 	 	; ;, -		{ !	90		1 -0.30			
	4	4	L	1 - 1		l	1			•	٠	L '	

Table 5.2 (Continued)

DATE 20 August 1956 TIME 1233-1243 CST

ARAN ARAN ARAN ARAN ARANGARA BANASARAH KARASARAN BARASARAN BARASARAN BARASARAN BARASARAN BARASARAN BARASARAN B

CONCENTRATION (mg m⁻³)

RUN NO.48-8

		1240 Co				ENIKA	11011	mg m	-,			RUN	NO.48-
POST	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50т	100m	200m	400m	800m	Inner	800m arc	50т	100m	200m	400m	800m
46	91	71.0	5.60	0.695				136					0.070
	92	<u> </u>					69	137	143	40.4	6.51	1.18	0.185
47	93 94	76.2_	7.35	0.675		<u> </u>	70	138 139	105	45.0	110	0.0	0.095
48	95	58,8	4,98	0,645			10	140	125	45.2	11.6	2,12	0.140
	96	00,0	*.,00	0,010			71	141	115	36.0	8,93	1.31	0.180
49	9.7	50.6	3.45	0.745				142					0.140
	98	L					72	143	85.4	29.3	9.83	1.27	0.120
50	99	47.3	4.40	0.945				144					0.080
51	100	46.4	6.66	1.22		 	73	145 146	78.6	22.5	5.11	1.16	0.045
- 	102	70.7	0.00	1.66		 	74	147	57.0	14.4	2.52	0.745	0.040
52	103	39.2	7.91	0.945	0.020			148					0.035
	104						75	149	39.6	15.0	3.23	0.525	
53	105	37.1	5.58	0.905	0.065			150	150		0.01	0.040	
54	106 107	39.5	5.72	0.905	 -	├	76	151 152	45.2	16.2	2.64	0.340	
24	108	38.3	3.12	0.803		 	77	153	42.8	9,56	1.80	0.130	
55	109	38.6	7.38	1.05	0.105	 	<u> </u>	154		3.00	2.00	0.100	
	110		1				78	155	33.5	6.45	2.42		
5 6	111	42.8	7.98	0.865	0.190			156					
L	112	 	<u> </u>				79	157	16.8	7.13	0.695		
57	113	54,8	8.48	0.935	0.215	 	80	158	150	0.05	0.105	 	
58	114	80.6	9.41	1.44	0.235	 	80	159 160	17.6	3.27	0.185		
100	116	80.0	9.31	1.33	0.233	1	81	161	19.5	1.39	0.030		
59	117	74.0	9.62	0.955	0.255	1		162	10.0	4.00	0.000		
	118						82	163	10.2	0.355			
60	119	66.2	8,16	1.07	0.050			164					
	120	- -	\ -		2 2 2 2	 	83	165	1.21	ļ -		<u> </u>	
61_	121	60.8	7.62	0.895	0.010	 	84	166 167	0.00	 			
62	122	74.0	6.66	1.29	0.025	 - 	03	168	0.150		 	···	
- 52	124		0.00	1	0.000	1	85	169	0.065		 	<u> </u>	
63	125	78.6	4.91	0.755	0.075			170					
	126						86	171	0.055				
64	127	89.9	8.16	0.915	0.275	ļ <u> </u>		172			 		
	128	1000	100	2 00	0.505		87	$\frac{173}{174}$	0,040	 	 		 -
65	129	97.8	18.9	3.08	0.535	├	88	175	├	 -	 -	 -	
66	131	101	22.8	2.23	0,365	 		176	j -	 	 	 	
1.24	132	 -	= · · ·				89	177					
67	133	130	26.0	2.02	0.045			178]			
\	134					0.045	90	179	ļ	·	. 	<u> </u>	 -
68	135_	140	24.6	3.13	0.725	0.115	01	180 181			 		
l	<u></u>	لل	┸——	<u> </u>	l	<u> </u>	91	1.01	Щ	l	<u></u>	L	

Table 5.2 (Continued)

DATE 21 AUGUST 1956 TIME 0900 - 0910 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200т	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91							136					
45	92	ļ <u>.</u>	 -			ļ	69	137	41.4	8.79	1.11	0.020	
47	93				 	 	<u> </u>	138		- <u>-</u>			
48	94 95	0.030	 -		 	 	70	139 140	26.2	3.06	0.055		
-10	96	0.030	 			 	71	141	17,6	0,730	0.025		
49	97	0.545	1			 	<u> </u>	142	11.0	0.130	0,025		
	98						72	143	7.58	0.065			
50	99	2.40						144					
	100		ļ				73	145	1.52				
51	101	6.29	0.065		 		6.4	146				<u> </u>	
52	102	100	10.400				74	147	0.215				
76	104	12.3	0.480		 		75	148	0.010			 	
53	105	20.0	3.20			1		150	0.010			 	
	106						76	151					
54	107	29.4	5.13	0.085				152					
	108						77	153					
55	109	36.9	6.15	0,700	0.020			154					
- E 0	110	40.5					78	155	<u> </u>				
56	111	40.7	7.25	1.20	0.110	0.040	79	156 157					
57	113	53.9,	13.8	1.82	0.400	0.115	18	158		 -	 		
	114	00.0	1.0.0	1.02	0.100	0.200	80	159	 	 		 	
58	115	83.0	21.8	4.71	0.950	0.285		160	-		-		
	116					0.325	81	161					
59	117	97.5	31.7	8.12	1.54	0.395		162					
	118					0.390	82	163					
60	119	155	39.3	10.5	2.07	0.410		164					
-01	120	100	10-0-			0.460	83	165			ļ		
61	121	130	48.0	14.1	3.05	0.640	84	166 167			 -		
62	123	186	56.6	17.1	3.45	0.760	04	168	 -	}- 		 	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	124	100	30.0	11.1	3.70	1.01	85	169	}			 	
63	125	209	65.0	17.0	3.64	0.990		170					
	126					1.24	86	171					~
64	127	127	65,6	15.5	4.66	1,31		172			<u> </u>		
	128					0.970	87	173					
65	129	224	59.7	13.8	4.68	0.630	L	174	<u></u> _		L	I	
66	130	150	20.0			0.345	88	175	<u></u>		ļ	 	
	131 132	158	39,9	11,6	3.32	0.135	89	176 177	· ··-		 	├─	
67	133	105	26.3	8.81	0.990	0.025	- -	178	··-		ļ	 	
	134	100	20.5	0.01	ا پوهوري	ļ	-90-	179		·	 	 -	
68	135	62.1	18.0	3,54	0.085	†		180					
							91	181					

Table 5.2 (Continued)

DATE 21 August 1956 TIME 1100-1110 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		AF	RC		
		-								···· 1	- 1		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400E	800m
1	1					···		46					
	2						24	47					
2	3			+		<u> </u>	 	48					-
3	4			 	 		25	49 50				- +	
-	5		 	<u> </u>	 -		26	51					
4	7		1	İ				52					
	8						27	53					
5	9	<u>'</u> -		 -	 _		1: -00	54					
6	10	 	 -	 	 	 	28	55 56			 		
├ -3-	$\frac{1}{1}\frac{1}{2}$	}	<u> </u>	 	}		29	57					
7	13	 		 	1		1	58					
	14						30	59					
8	15			1				60			———		
 -	16	∥——	 	 	 -	ļ	31	61 62				 -	
9	17	 	 -	 	₩	╁	32	63	}				
10	19			 	 	 	- 52 -	64	 -				
-	20	 	 	· · · · ·	 	 	33	64 65					
11	21							66					
	20 21 22 23 24	1	<u> </u>	ļ	-		34	67		-			
12	23	ļ	 	 	—	ļ	35	69	 	 			
13	24	∄		 	 	 -	3.7	70	 				
<u>├</u> -	26	∦ -──	 	 	 	 	36	70 71 72	0.110				
14	27		Ī					72	H				
	28						37	73 74	0.175				
15	20	l	——		 	 	38	74	0 100	 -	 -		
10		╢			 -	·	1-30-	76	0.433				
	32	- 	+	 	 	·	39	75 76 77 78	4.19	0.265			
17	25 26 27 28 20 30 31 32 33 34 35	1	T		<u> </u>			78	li				
	34			J	1		40	79 80	7,10	1.14			
18	35	 	·		 -			1-80-	H	279	0.215	 	
J	36		 -		· 	 	- - 9 1	81	9,99	2,78	0.615		
1. 10	37	 	 -		· 	ļ	42	82 83	8,72	3.53	1,75	0.040	
20	- 30	1	 -	·	+	1	· ···· · = ·	84	1	1	1	<u> </u>	
F	10-		·	1	 		43	85	10.5	4.80	1.85	0.620	
21	41		1	1]		46	<u> </u>	l	1	!	
1	12		1		·\	J	44	87	29.9	9.45	2.31	กรม	0.070
1.3:	4 -	}	ļ	·	\	 	45	89	10.5	12.4	3.63	1.35	0.145
- 37	. 1	· - · · · ·	+	1		 	╢ ┈ ╸	. j . j)()	49.5	16.1	4.73.	17147	0.160 0.125
1 5	13	11	1	1	L	. 1	11	,,	11	L		4	L

Table 5.2 (Continued)

DATE 21 August 1956 TIME 1100-1110 CST

CONCENTRATION (mg m⁻³)

		·				ENIKA	11011	mg an	,			KUN	NO. 49
POST	NO.		A	RC			POST	NO.		A	RC		
Inner	800m arc	50m	100т	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	600m
46	91	67.1	17.9	5.15	1.15	0.065		136					
- 	92		40.0			0.075	69	137 138	0.605				
47	93 94	54.0	18.8	4.48	0.755	0.110	70	139	<u>-</u>				
18	95	68.7	21.2	3,99	0,285	0.080		140					
	96					0.095	71_	141					
49	97	101	21.5	3.92	0.505	0.115		142					
J- <u></u> -	98					0.085	72	143 144					
50	99 100	128	26.0	5.08	0.945	0.155	73	145	 -			~	
51	101	140	35.1	8.35	1.83	0.270		146	 -				
	102					0.275	74	147				_	
52	103	155	38.6	10.5	2.28	0.415		148					
1-2	104	 	44.0	100	0.55	0.535	75	149 150					
53	105 106	164	44.3	10.8	2.55	0.515 0.545	78	151					
54	107	173	57.3	11.8	2.21	0.525		152					$\overline{}$
1	108					0.585	77	153					
55	109	189	60.0	15.4	2.62	0.625		154					
	110					0.535	78	155 156					
58	111	201	66.8	15.0	3.00	0.465	79	157					
57	113	209	65.1	18,7	3.32	0.575		158					
	114	- - 202	100.2	10,	<u></u>	0.555	80	150					
58	115	200	57.3	15.8	2.48	0.555 0.455		160					
	116					0.535	81	161					
50	117	161	36.9	16'8 —	2.25	0.445	82	162	 		 		
60	118	121	34.2	9.38	1.46	0.320	-02	103		 	 -		
1 -00-	120	∦ ⊿&4	77.6	, D. SO.	11.79	0.300	83	165		f	 		
61	121	105	28.7	6,58	1.50	0.225	L	106		1			
	122					0.215	84	167	<u> </u>	l	ļ		
62	123	71.7	18.6	3.37	1.09	0.205	85	168	 	ļ 	·		
63	124	1 =	120		0.645	0.135	85	169	∦	·			
F.03	$\frac{125}{126}$	56,6	13,8	2.74	Q_G45_	0.005 0.035	80	171	╟		 	 	
64	127	37.7	9,33	2.84	0.360	0.035		172	!	Ι	I		
	128		1	I		0.035	87	173)	Ţ <u>.</u>			
65	129	<u>2</u> 0,0	4,59	1.46	0,175	0.030	-00	174		ļ	 	ļ	
66	130	0.40		10 505	0.025	1	68	175 176	 		·	ļ	├ ┈╌ ╌
- 60	131 132	9.42	איאאן.	0.505	10.019	+	85	1777	╢		1	 	
67	133	6.33	0.285	0.095	-	1		178	1	1			
	134		1		1		_ 90	179					[]
68	135	2.90	0.075				∤ ⊢-,,, ·	1180	∦ -			 	
l	L	11	1]	١	1 .	91	[181	H	J	1	i	ا ا

Table 5.2 (Continued)

DATE 21 AUGUST 1956 TIME 1400 - 1410 CST

CONCENTRATION (mg m⁻³)

		- 1410 C	· ·			ENTRA						- KON	NO. 50
POST	r no.		Al	RC			POST	NO.		A 1	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	 '						136					0.440
	92						_69	137	107	31.7	7,69	2.46	0.360
47	93	0.060						138					0.350
L	94						70	139	73.1	20.0	3.45	1.04	0.300
48	95	0.580				1		140	40.0		1.00	0.055	0.190
1-12	96	0.00				 	71	141	42.2	10.1	1.62	0.375	0.130
49	97	3.20				 	72	143	27.0	5 21	0.680	0.045	0.045
50	99	14.2	0.075				- -	144	- Filey	2.24	0.000	0.030	0.030
1-55	100	13.6	VAVIA			 	73	145	24.8	1.20	0.055		
51	101	19.2	0,450	0.025				146					
	102						74	147	9.62	0.180			
52	103	17.1	2.00	0.140				148		A 15A		ļ	├
	104			0.000	0.015	 	75	149	4.32	0.150		ļ	╂──┤
53	105	22.8	4.23	0.260	0.015	 	76	150 151	3.45	0,050	 	 	┼╌─╌┤
54	106	25.4	7.52	0 370	0.050	├ -	10-	152	3.40	0.000	 		
34	108	20.1	1.02	3.0.0	0.000	↑ -	77	153	2.43		 		
55	109	45.5	9.72	1,95	0,040	1		154			1		
	110	1				0,045	78	155	0.790				
56	111	66.0	15.9	3.45	0.190	0.075		156					
	112	II	ļ		_	0.080	79	157	0.345	l	ļ	 	
57	113	88.5	25,7	4.76	1.12	0.195		158	0.00	ļ		 -	
- 50	114				1 24	0.280	80	i 50 160	0.050		 	 -	╂
58	116	112	30.9	7.12	1.94	0.280	81	161	 		 -	 	 -
59	117	136	32.7	8,55	1.92	0.285	- -	162	 		 	 	
	118	130-	NE LL	20,70	* CE #	0.215	82	103		 	 -		
60	110	156	42.8	7.98	1.82	0.190		104					
1	120	}			Ι΄	0.160	83	165					
61	121	156	46.1	7.46	1.37	0.145	 	166			<u> </u>	<u> </u>	
	122_	<u> </u>		1	- عرج د د	0.150	84	167	 }	 	 	 	
02	123	165	42.8	M	1.65	0.150		168			 	 	 -
	124	.∦ <u></u> .	40.5-	7 60		0.100	85	169 170	 		 	 -	
63	125	201	47.0	7.56	1,88	0.180	80-	171	╟╼╼━	- 	+	 -	
64	127	231	51,2	9 76	2.30	0.233		172	(- 		
·	128	1 2.7.1		1		0,340	87	173		1			
65	129	243	64.7	14.3	2.12	0.310		174					
	130]		1		0.390	_88	175				<u> </u>	
60	131	237	177.0	18,3	2.74	Q.430	 	176	 				
\- <u>-</u>	132	∦				0.490	89	177	 		·		
67	133	227	72,5	15.0	3.63	0.450	90	178				 	·
06	$-\frac{134}{135}$	100 -	55,2	14.3	3.83	0.600	- "	180	₩			1	
1.00	1.55	102	9,50	17.3	60,00	עוריטן	- 91	181		 	 	 	
l		الم	1	بــ بــ		_	11	1	₩				

Table 5.2 (Continued)

DATE 21 AUGUST 1956 TIME 1530 - 1540 CST

CONCENTRATION (mg in -3)

POST	Γ NO.		Al	RC			POST	NO.		A	RC		110. 51
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Injer Arcs	800m arc	50m	100m	200m	400m	800m
40	91						- 00	136	00.0	76.	1.00	0.000	0.045
47	92 93						69	137 138	80.6	25.5	1.98	0.520	0.135 0.135
	94						70	139	84.9	30.8	4.70	0.760	0.230
48	95	0.025						140					0,225
	96						71	141	80.3	22.2	5.45	1.13	0.185
49	97	0.040					72	142	60.6	14.8	4.60	1.03	0.160
50	99	0,060		i			12-	144	60.6	14.6	4.60	1.03	0.210
	100	0.000					73	145	71.6	14.2	3.97	0.860	0.210
51	101	0.085						146					0.135
	102						74	147	99.3	17.1	4.68	1.21	0.155
52	103	0.095					75	148	150	27.3	5.81	1.80	0.210
53	105	0.065					- -	150			0.01	1.00	0.315
	100						76	151	201	47.3	9.33	2.47	0.410
54	107	0,090						152		40.5		2.10	0.450
55	108	0 105				 	77	153 154	227	68.7	12.7	3.12	0.430
33	110	0.105				 -	78	155	246	71.0	18.4	2.72	0.285
56	111	0.155						158	230	144	10.3		0.235
	112						79	157	267	68.1	18.6	2.97	0.240
57	113	0.205	ļ			 		158			1.00		0.185
58	114			 	 -	ļ	80	150 160	219	70.2	15.3	2,10	0.230
	110	1.14	 -				81	161	191	55.7	10.6	1.43	0.290
50	117	2.61						162			14.4		0.155
	118	 					82	103	155	39.5	6.33	1.66	0.120
60	110	3.48		 -		 -	II-a - -	164					0.095
61	120	1.28	 	 -			83	165 166	119	34.7	9.33	2.81	0.035
- 81 -	122	4.40	 -			·	84	167	97,2	34.1	8.40	1.53	
62	123	5,48	0.110				1	108	1		19:30		
	124						85	169	75.3	23.3	5.35	0.730	
03	125	8,19	1.74					170		-77-	 	8 377	
-54-	126	-(7.5	2 64				86	171	62.7	14.6	3.29	0.042	
01	128	11.7	3,54				87	173	38.0	9 39	2.16	 	
05	120	17.0	4.01	0.155			li .	174					
	130			l	T		08	175	27.6	6,09	0.850		
.00	131	36.3	3.89	1.14	0.010			170	 .		0.00	 -	ļ
67	132		7.07	1	0.205		80	177	14.4	14.28	0.080	 -	
- "	134	54.6	1.07	1.08	0,205		00	170	9,30	3.02	-	 	· ·
08	135	21.1	16.8	1.55	0.400]	180	11	1	L		
			l	<u></u>	l	<u></u>	01	181	8.61	0.450	1	l	l]

Table 5.2 (Continued)

DATE 24 August 1956 TIME 1117-1127 CST

CONCENTRATION (mg m⁻³)

POST	OIG						Doom	NO.					110.02
	140.	ļ	A.	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	1 00m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1	21.2	5.24	0.135				46					0.015
	2						24	47	104	18.3	2.45	0.570	0.040
2	3	27.3	12.7	0.480				48					0.050
	4	20.0	100	1 05			25	49	112	21.2	2.39	0.350	0.040
3	5	32.0	12.2	1.25			26	50 51	94.1	24.5	3.27	0.200	0.035
4	7	41,1	12.0	1,59				52	P7.4	63.0	y.e.	0.200	0.040
	8			-,,,,			27	53	104	20,1	5,13	0.100	0.050
5	9	35.3	9.68	1.90				54					0,040
<u></u>	10	ļ	ļ				28	55	145	20.1	4.35	0.085	0.060
6	11_	43.4	9.59	1.28			29	56 57	176	30,3	3.92	0.380	0.050
7	13	40.8	9.78	1.63			29	58	170	30.3	3.04	<u> </u>	
<u> </u>	14	40.0	0.10	1.00			30	59	168	29.0	2.68	0.360	
8	15	42.6	10.5	1.72		0.060		60					0.010
	16					0.035	31	61	153	27.9	1.57	0.155	
_ 9	17	45.0	11.7	1.88	0.055	0.030		62				1 111	0.035
10	18	15.6-	0.00	1 50	0.000	0.025	32	63 64	140	18.5	0.940	0.025	0.005
10	1 <u>9</u>	45.6	9.06	1.56	0,090	0.020	33	65	110	8,84	0,350	0,050	
11	$\frac{20}{21}$	73.8	7.10	1.68	0.150	0.720	-33	66	110	0,04	10,330	0,030	
	22	1.0.0	1	2,00			34	67	76.8	7.05	0.070		
12	23	92.6	9.93	1.26	0.360	0.030		68					
	24						35	69	51,2	4.53	 _		
13	25 26	99.5	22.2	0,790	0,330	0.035	38	70 71	44.6	3,84	 		
14	27	108	29.6	0.700	0.200	0.055	36	72	44.0	3.04	 	 -	
 •••	28	100	20.0	0.1.70	0.200	0.035	37	73	42.6	3.15	 		
15	20	129	26.9	2.28	0.295			74					
	30					0.005	38	75	50,9	2,91		 	
16	31	137	21.2	3,71	0.420		39	76	43.4	1,92	 	┼	+
17	32	137	19.8	4.69	0.800	0.015	38	78	49.4	1.76	 		┿╼╼┥
1	34	120	10.0	1,00	0.000	0.015	40	79_	24.9	0.215	s 	 -	
18	35	80.3	17.9	4.81	1.05			80					
	30						41	81	7.88	0.018	3		
19	37	88.4	19.5	4.71	0.970	0.015	 	82	 	-	, 	 	├
	38	100	01.0	4.00	0.400	0.030	42	83	5,45	0.015	<u> </u>	├	
20	39 40	73.1	21.3	5.98	0.480	0.055	43	85	3.23	0.010	\ 	+	╫╼╼┥
21	41	78.5	21.9	4.05	0 440	0.080	 	86		A.V.	4	+	
—	42	1848-	- ALIE	1 300	-X.73b	0.015	44	87	2,34	<u> </u>		L	
22	43	84.0	23.1	3.14	0.450	0.015		88					
	44					0.030	45	89	0.325	ļ		 	↓
23	45	90,8	15.5	3,54	0.740	0,100	U	00	<u> </u>	<u> </u>	Щ.		لــــــــــــــــــــــــــــــــــــــ

Table 5.2 (Continued)

DATE 24 August 1956 TIME 2000-2010 CST

CONCENTRATION (mg m⁻³)

	- 2000	,		-			11011 (1		, 				NO. 53
POST	г ио.	}	AF	RC			POST	NO.		A1	RC		ŀ
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
ı	1							46					
	2		_		1		24	47	155	4,53			
2	3							48					
3	5_						25	49 50	37.8	0,115			
3							26	51	2.76				
4	7		1					52					
	8						27	53	0.035				
5	9						28_	54 55		 -			
6	11							56		-			
	12						29	57					
7	13							58					
8	14 15	 					30	59 60			 		
	16	 		-			31	61		 	 		
9	17	 					 -	62		·			
	18						32	63					
10	19	⊩—						84		ļ	-		
11	20	 					33_	65 66	 	├			
	22						34	87	 		 		
12	23							68					
- 18	24						35	69	<u> </u>		 		
13	25 20	∦	 				36	70 71	}	 	 	 	
14	27	0.110	-				- -:- -	72	 	 			
	28						37	73					
15	29	2,60	<u> </u>				38	74	 		<u> </u>		
10	30	23.1	0.710	0.050		 	- 38 -	75 76	 	 	 	├	
- `	32	441	N. LAW.				39	77					
17	33	109	16,7	0,775	0,035			7£					
-10	34	1010	100	0.0	A 485	 	40	79	 	 	├	 -	
18	35	218	102	21,0	0.925	0.150	41	80 81	 	 	 	 	
19	37	608	305	115	31.7	4,41	- ''	82		1	<u> </u>	<u> </u>	
	38					24.7	42	83					
20	30	786	534	233	86.2	34,2		84	 	 	ļ		├ ──
21	40	923	488	162	50,3	25.6 12.8	43	85	∤	 	 	 	
41	1-41-	823	100	104	30,3	2,52	44	87	╂		 	 -	
22	43	755	258	28.4	3.48	0.210		80					
	44	1		7-42-0		0,025	45	80					ļ <u></u>
23	45	410	47.1	0.955	L	L	II	00	JL	. _	Ь		L

Table 5.2 (Continued)

DATE 24 August 1956 TIME 2200-2210 CST

CONCENTRATION (mg m⁻³)

	2200-	2210 C3	<u> </u>		CONCE	MIKA	1011 (1	118 111				KUN	NO. 54
POST	NO.		AR	C			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800ш
1	1							46					3,60
	2_						24	47	374	156	62.0	22.3	7.92
2	3							48					9.51
	4						25	49_	422	171	55.8	19.3	6.62
3_	5							50	-	105	25.0		2.64
4	7		-				26	51 52	356	105	25.0	4.82	0.800 0.050
- " -	8_			 			27	53	215	43.4	6.38	0.670	0.065
5	9							54					0.080
	10						28	55	105	13.2	1.11	0.555	0.085
6	11							56	40.	A 01	0.005	<u> </u>	0.015
<u> </u>	12	 					29	57 58	40.1	2.31	0.205	 	0.070
7	13						30	59	5.87	0,350			
8	15	 	-					60	- <u></u>	1			
	16						31	61	1,37				
9	17							62					
	18						32	63	0.070	 	 		
10	19	 					33	65	 -	}			
11	21	 				-		66	╟		1	 	
 	22						34	67					
12	23							68			↓	 	
	24	 					35	70	 	 	 	 	┿╌┤
13	25 20	}		-			36	71	 	 	 	 	
14	27	├ ──			-			72		1	1		
	28						37	73_					
15	29						-80-	74	╂	<u> </u>	ļ	 	╁┷┷┥
16	30	 					38	75	╢╼╼╌	 	 	 	+
20	31	∦					39	77					
17	33	0,240						78					
	34						40	79	ļ			ļ	↓ ——
18	35	0,780	 _		ļ	-		80	 	 	 -	 	┼──┤
	30	001	0 100	0.135			41	82	╢╼╍╼╼	+	 		+
19	$\frac{37}{38}$	6,81	0.190	0.133			42	81 82 83	1	+	†		1
20	39	29.1	2.04	0,180				84					
	40						43	85					
21	41	80.1	13.8	1.11	0.050			86		 	 	 	┿┷┥
L.	42	 	 		0.000	0.040	44	87	 		+	┿	┿╾╾┥
22	43	152	44.4	B.01	0.880	0.040	45	- 80 - 80		+	 	+	
23	45	261	99.3	32.2	7.12	1.04	 	90	1	1	1	1	
	4	11 804	1	75.5	<u> </u>	·	" -						سبيست نسب

Table 5.2 (Continued)

DATE 25 August 1956 TIME 0100-0110 CST

CONCENTRATION (mg m⁻³)

POST	Γ NO.	<u> </u>	A	RC			POST	NO			RC		110.33
							7031				nc		
Inner	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	200m
1	1							46					
	2						24	47	0.485	0.010			
2	3							48	l				
<u></u>	4	 	ļ			L	25	49	0.635	0.020			
3	<u>5</u>	ļ	ļ				20	50	2.45	0.030			
4	7_	 	-				26	51 52	2.45	0.030			
	8						27	53	8.16	0.190			
5	9							54					
	10_						28	55	20.6	1.01	0.035		
6	11	 	 					56		- 10			
7	12		 		 		29	57 58	44.7	5.49	0.430		
 '	14	∦ -	 	 	 		30	59	86.9	18,5	2.53	0.345	0.025
8	15		 	 			- " -	60	80.8	10,5	2.00	0,343	0.025
	16						31	61	145	44,7	13.4	2.10	0.365
9	17_							62					0.885
	18						32	63	192	66.8	22.4	5.54	1.85
10	19	 		 				64					2.49
11	20	 					33	65 66	219	84.2	27.2	7.83	2.83
	22	⊩	 	 	-	 	34	67	218	82.7	26.3	7.35	2,39 1.81
12	23			1			1	68	2.0	NE-1	20.5	1.00	1.19
	24						35	69	192	65.6	18.7	3.45	0.615
13	25					ļ		70					0.275
14	26 27	 	 		 -		30	71 72	156	38.0	6.09	0.860	0.085
 '''	28	{} 	 	 	 	 	37	73	97.2	14.9	1.36	0.045	0.020
15	20	 	 	 	 		- 	74	- 	17.8	1.30	V.033	
	30						38	75	50.1	4,04	0.335		_
16	51						<u> </u>	76					
	32	II	 	 	 	<u> </u>	39	77	14.3	0.805	0.080	<u> </u>	 _
17	33	{ }		 			40	78 79	1.61	0.300			
18	35	∥	 	 	 	 -	1-30	80	1.01	0.300	 	 	-
	36		 	 	 -	···	41	81	0.580	0,080		 	
19	37							82					
	38				L		42	<u>U3</u>	0.160				
20	39	 		ļ		<u> </u>		84	-A-AER	 			
21	40	╟		 	 -	 -	43	85	0.050		 	 	
1	41	╟──	 	 	 -	ļ	44	80 87	 -			 -	
22	43	 	 	 	 -			เยีย			 		
	14		-	1		† <u>-</u>	45	ียย		1			1
23	45	0.330	I		1			00					

Table 5.2 (Continued)

DATE 25 August 1956 TIME 0300-0310 CST

CONCENTRATION (mg m⁻³)

	 -								,			- NON	NO. 56
POST	1 NO.		A1	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200ш	400m	800m	Inner Arcs	800m arc	50m	100m	200ш	400m	800m
1	1							46					
Ĭ	3						24	47	0.335	0.130			
2	3	<u> </u>						48		0.155	0.000		
3	5	· · · · · · · · · · · · · · · · · · ·					25	49 50	2.90	0,155	0.020		
<u> </u>	6				 		26	51	8.55	0.405	0.035		
4	7							52					
<u> </u>	8						27	53	33.0	3,50	0.245		
5	9		<u> </u>					54	77.9	14.1	2.13	0.055	
<u> </u>	11	ļ					28	55 56	11.9	14.1	2.13	0.055	
 	12	l					29	57	156	40.5	9.01	1.18	0.050
7	13_							58					0.195
	14						30	59	216	74.0	22.7	4.90	0.745
8	15				ļ	 -	<u></u> -	60					2.08
9	16 17	 			 		31	61	284	110	33.0	.11.3	3.76 4.50
	18_	∯ 			 		32	63	308	110	36.3	12.6	
10	19							64					4.20
	20						33	65	279	91.7	28.7	8.46	2.48
11	21	 	 		<u> </u>	ļ		66	-		1		0.905
12	22	}		ļ	 -	 	34	67 68	218	70.2	16.7	2,89	0.230 0.075
	24	il	-	 -		 	35	69	147	36.9	5,58	0.510	0.025
13	25							70					
	26						36	71	92.7	13.0	0.915	0.030	
14	27 28	 	 	 	ļ	 -	37	72	41.3	2.81	0.095	0.010	
15	$\frac{20}{29}$	 	 	 	 	 	31	74	41.3	2.01	0.085	0.010	
· · · ·	30	 -	 				38	75	10.8	0.370			
16	31							76					
	32	ii	 -	ļ	 	ļ	39	77	2.40		 		
17	33	 	}	 -	 		40	78 79	0.310	 	 		
18	35	1	 		 	 		80	V.010	 			
	36						41						
19	37							81 82			ļ		
	38	II.———	 -		ļ		42	83		 	 -		
20	30	 -	 	ļ <u>-</u> -	 	 -	43	84 85		 	├ -	 	├── ─┤
21	41	0.085	 	 -	 	 	-13 -	80	ļ 	 	 -	 	├
 -	42	1	 -		1		44	87		1			
22	43	0,115	0,070	†- <u></u> -				88					
	11	<u> </u>		1			45	เย		ļ		 .	
23	45	0.200	0.120	1	L	L	il	00	IL	L	<u> </u>	L	لـــــا

Table 5.2 (Continued)

DATE 25 August 1956 TIME 1730-1740 CST

CONCENTRATION (mg m⁻³)

1 1 46 47 2 3 44 25 49 3 5 50 50 6 26 51 52 8 27 53 52 8 27 53 54 10 28 55 66 11 56 56 61 12 29 57 7 7 13 58 59 14 30 59 58 14 30 59 58 14 30 59 59 8 15 60 60 16 31 61 61 9 17 62 64 10 19 64 64 10 19 64 64 12 23 36 64 12 23 36 71 12 23	POST	r no.		A	RC			POST	NO.		A	RC		
1 1 1 46 47 2 3 44 25 49 48 3 5 50 50 50 50 6 28 51 52 51 52 53 55 50														
2 3 4 25 49 3 5 48 3 5 49 3 5 50	Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
2 3 24 47 3 4 25 49 3 5 50 50 6 26 51 50 4 7 26 52 8 27 53 50 10 28 55 60 11 56 60 60 12 29 57 7 7 13 58 58 14 30 59 60 8 15 60 60 10 19 62 60 10 19 62 64 20 33 65 64 10 19 64 64 20 33 65 66 11 21 64 64 22 34 67 72 12 23 36 71 22 34 77	1	1							46					
3 5 6 28 51 52 52 55 55 55 55 55		2						24	47					
3 5 6 28 51 52 52 55 55 55 55 55	2	3	 	├					48	 				
4 7	1 3			 -	1			25	49	 -				
4 7 8 27 53 10 28 55 6 11 66 66 12 29 57 7 13 58 60 14 30 59 8 15 60 60 16 31 61 62 9 17 62 62 10 19 64 63 10 19 66 66 22 34 67 66 11 21 66 66 22 34 67 70 23 35 69 9 13 25 70 70 28 37 73 73 15 29 77 0,145 16 31 76 72 28 37 73 73 15 29 77 0,145 17 33 74 74 33 36		6	 	 	 	 		26	51	 				
5 9 10 28 55 6 11 66 12 29 57 7 13 30 59 8 15 60 60 16 31 61 61 9 17 32 63 10 19 64 64 20 33 65 64 12 23 38 67 12 23 38 67 12 23 36 70 24 35 69 69 13 25 70 70 28 36 71 72 28 37 73 73 15 20 74 74 30 38 75 32 39 77 0.145 17 33 76 39 77 34 40 79	4	7		 	1			- 20	52					
5 9 54 10 28 55 6 11 56 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 38 24 35 69 13 25 70 28 37 73 14 27 72 28 37 73 15 29 74 30 38 75 16 31 78 32 39 77 33 40 79 34 40 79		8						27	53					
6 11 12 29 57 7 13 58 30 59 8 15 60 60 16 31 61 62 18 32 63 63 10 19 64 66 20 33 65 11 21 22 34 67 12 23 58 69 24 35 69 36 24 35 69 37 28 37 73 3 14 27 72 72 28 37 73 74 30 38 75 74 30 39 77 0.145 17 33 40 79 0.260 17 33 40 79 0.260 18 35 80 80 0.250 10 37	5	9	ļ		↓				54					
12 7 13 58 30 59 60 </td <td>ļ<u>-</u>-</td> <td>10</td> <td> -</td> <td></td> <td>ļ</td> <td> </td> <td> </td> <td>28</td> <td>55</td> <td></td> <td></td> <td></td> <td></td> <td></td>	ļ <u>-</u> -	10	 -		ļ	 	 	28	55					
7 13 14 30 58 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 58 24 35 69 13 25 70 28 36 71 14 27 72 28 37 73 15 20 74 30 38 75 16 31 76 32 39 77 17 33 78 19 37 80 18 35 80 19 37 82 19 37 82 19 37 82	 - -	112	 	 	 	 		20	56					
14	7	13	 	 	1	 		25	58					
8 15 16 31 61 9 17 662 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 35 69 13 25 70 28 36 71 14 27 72 28 37 73 15 20 76 30 38 75 18 31 76 32 39 77 17 33 78 34 40 79 38 41 81 30 82 30 34 40 79 38 42 33 38 42 33 38 42 33 38 42 33	- -	14	 	+	 			30	59					
9 17 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 35 69 13 25 70 26 36 71 72 28 37 73 73 15 29 74 74 30 38 75 76 32 39 77 0.145 17 33 78 78 34 40 79 0.260 18 35 80 90 19 37 80 90 19 37 80 90 19 37 80 90 10 37 80 90 10 37 80 90 10 37 80 90 10 37 80 90 10 38 42 93	8	15		 		 		1-5	60					
9 17 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 35 69 13 25 70 26 36 71 72 28 37 73 73 15 29 74 74 30 38 75 76 32 39 77 0.145 17 33 78 78 34 40 79 0.260 18 35 80 90 19 37 80 90 19 37 80 90 19 37 80 90 10 37 80 90 10 37 80 90 10 37 80 90 10 37 80 90 10 38 42 93		16						31	61					
10	9	17				L			62					
11 21 33 65 22 34 67 12 23 38 38 24 35 69 38 13 25 70 38 71 28 37 73 72 28 37 73 74 30 38 75 76 32 39 77 0.145 17 33 78 0.260 18 35 80 0.260 18 35 80 0.260 10 37 82 0.550 38 42 03 2.31 20 39 84 0.550 21 41 81 0.550 21 41 86 44 40 43 85 3.27 22 43 44 87 5.69 0.145		18						32	63					
12 23 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 20 74 30 38 75 16 31 76 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 41 81 0.550 19 37 82 38 42 20 39 20 20 40 43 85 32 32 33 42 44 87 5.69 0.145	10	19	 	 				 	64	 _			ļ	
12 23 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 20 74 30 38 75 16 31 76 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 41 81 0.550 19 37 82 38 42 20 39 20 20 40 43 85 32 32 33 42 44 87 5.69 0.145		20	l	 	 	 	<u> </u>	33	85	<u> </u>			 	
12 23 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 20 74 30 38 75 16 31 76 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 41 81 0.550 19 37 82 38 42 20 39 20 20 40 43 85 32 32 33 42 44 87 5.69 0.145	1-11	21	 	 	┼			24	87	<u> </u>			 	
14 27 28 37 15 29 30 38 16 31 32 39 17 33 18 35 38 40 39 77 0.145 19 37 38 41 40 80 40 82 38 42 40 84 40 84 40 85 21 41 42 44 22 43	12	23	 	+	 	 		1-34	98				 	
14 27 28 37 15 29 30 38 16 31 32 39 17 33 34 40 18 35 38 41 38 42 38 42 38 42 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 41 40 43 40 43 40 44 47 5.09 44 87 5.09 5.09 5.09 6.145	 -	24	∥	4				35	69					
14 27 28 37 15 29 30 38 16 31 32 39 17 33 34 40 18 35 38 41 38 42 38 42 38 42 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 41 40 43 40 43 40 44 47 5.09 44 87 5.09 5.09 5.09 6.145	13	25							70				<u> </u>	
15 20 30 38 75 16 31 76 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 36 41 81 0.550 19 37 82 38 42 03 2.31 20 30 84 40 43 85 3.27 21 41 87 5.69 0.145 22 43 88 88		26						36	71					
15 20 30 38 75 16 31 76 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 36 41 81 0.550 19 37 82 38 42 03 2.31 20 30 84 40 43 85 3.27 21 41 87 5.69 0.145 22 43 88 88	14	27			<u> </u>				72					
30 38 75 16 31 76 32 39 77 0.145 17 33 78 0.260 18 35 80 0.260 19 37 82 0.550 38 42 03 2.31 20 39 84 0.250 21 41 85 3.27 21 41 86 0.145 22 43 88 0.145		28	 	 	ļ			37	73				ļ	
16 31 32 39 77 0.145 17 33 78 34 40 79 0.260 18 35 80 36 41 81 0.550 19 37 82 38 42 93 2.31 20 39 84 40 43 85 3.27 21 41 87 5.69 0.145 22 43 88 88	13	20	 	}	 	 	 		74	<u> </u>	ļ			
32 39 77 0.145 17 33 78 0.260 18 35 80 0.260 19 37 82 0.550 38 42 03 2.31 20 39 84 0.20 21 41 85 3.27 21 41 86 0.44 87 5.69 0.145 22 43 88 88 0.145 0.145	16	31	(}	+	 	 	 -	1 30	78					
34 40 79 0.260 18 35 80 38 41 81 0.550 19 37 82 20 39 42 03 2.31 20 39 84 40 43 85 3.27 21 41 80 5.69 0.145 22 43 88 88	- 	32	<u> </u>	+	 	 	 	39	77	0.145			 	
34 40 79 0.260 18 35 80 38 41 81 0.550 19 37 82 20 39 42 03 2.31 20 39 84 40 43 85 3.27 21 41 80 5.69 0.145 22 43 88 88	17	33	1	1	 			11	78	- 	<u> </u>		 	<u> </u>
18 35 38 41 19 37 38 42 20 39 40 43 21 41 42 44 47 5.69 22 43		34			<u> </u>			40	79	0.260				
38 42 03 2,31 20 39 84 40 43 85 3,27 21 41 60 42 44 87 5,69 0,145 22 43 88 88	18	35							80	L				
38 42 03 2,31 20 39 84 40 43 85 3,27 21 41 60 42 44 87 5,69 0,145 22 43 88 88		38			ļ	ļ		41	81	0.550				
20 39 84 3.27 21 41 86 42 22 43 85 8.87 5.69 0.145	19	37	I	+	-	 	 	+	82					
40 21 41 42 44 22 43	00		∦	 	 	 		42		2.31	ļ			
21 41	20		 		 -	 -		∦− ,,,,,,,,		1 17				
22 43 44 87 5.69 0.145 80 80	21		(├──	 			3.61		 	 	 -
22 43 88	-		 	+	 -	 	 -	1-44		5.09	0.145		 	
	22	43		+	† 		 	1	88			 	\vdash	
	<u> </u>	44		 	 	 		45	80	0.68	0.550			1
23 45	23				1	1	1	1					<u> </u>	<u> </u>

Table 5.2 (Continued)

DATE 25 August 1956 TIME 1730-1740 CST

CONCENTRATION (mg m⁻³)

Poss	NO.						D000		Γ				<u> </u>
100	NO.		AI	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200ш	400m	800m	Inner	800m arc	50m	100m	200m	400m	800m
46	91	15.6	2.96	0.590			- 20	136					
47	92 93	32.7		1 41	0.000		69	137	0.080				
47	94	32.7	_М	1.41	0.020_		70	139	 				
48	95	58.5	9.00	4.19	0.520			140					
	96						71	141					
49	97	81.9	15.3	5.04	1.37			142					
50	99	 	100 ·	7.35	1 50	0.110	72	143 144		}			
30	100	132	29.1	7.35	1.53	0.335	73	145		 			
51	101	171	44.7	11.0	2.49	0.690		146					
	102					0.740	74	147					
52	103	224	57.8	18.2	3,60	0.910		148					
53	104	270	74.6	30.0	6.16	1.13	75	149 150	ļ- -	 			
133	106	270	14.0	30.0	0.10	1.79	76	151		 			
54	107	282	79.4	29.2	8.82	1.96		152					
	108					2.27	77	153					
55	109	281	75.3	26.4	7.33	1.93		154		} _	 		
	110	 	50.0			1.33	78	155 156	 	 			
56	111	243	59.6	20.4	4.40	0.910 0.730	79	157		 	 -		
57	113	201	51.6	17.5	3.36	0.590	 '	158		1			
	114					0.590	80	159					
58	115	159	47.9	12.6	2.78	0.630		160					
	116	- 	1		-	0.640	81	161 162	∦	┼~-	 		
59	117	142	37.2	12.6	2.94	0.820	82-	163	 	 	 -		
60	119	118_	28.7	8,61	2.73	0.880	 	104	 	 	 		
100	120		1 = 2.	0.01	A	0.460	83	165					
61	121	86.7	17.7	5.27	2.16	0.320		166					
	122				ļ	0.100	84	167	 	 	ļ	ļ <u>.</u>	
62	123	54,0	8.70	4.28	1,19	 -	85	168	 -	 	 		
63	124	42.2	7,37	2,54	0.250	 		170	{ -	 	 		
1-23-	120	1 36.6.	1181	4,04	N. 200	1	80	171	 	1	†		
64	127	24,6	4.47	0.510	0.045	1		172					
	128			[Ĺ		87	173					
85	129	10,7	1,37	0.035	0.020	 	88	174	 	· 	 	 	
60	130	4.82	1,28	0.020	 -	 		170	} -	1	+	 	
1.55	$\frac{131}{132}$	3.5.4	±1.49	V.V.	† · · · · ·	·	89	177		 -	1	1	
Ğ7	133	0,850	0.030	1	1	1		178	11				
	134	` !		T]]	00	179	}		-		
68	135	0.165	-	ļ	 -		h	180	 		├ ──	 	
	1	1	L	l	1		91	181	ــــــــــــــــــــــــــــــــــــــ				لـــــا

Table 5.2 (Continued)

DATE 25 August 1956 TIME 1930-1940 CST

CONCENTRATION (mg m-3)

1 1 1 48 4 24 47 48 47 48 47 48			T					11011 (NO. 58
1 1 1 2 24 47 47 22 34 47 3 3 44 48 3 48 3 48 3 48 3 50	PO2.	L NO		A	RC			POST	NO.		A	RC		
2 3 4 25 49 3 5 50	Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
2 3 4 25 49 3 5 50	1	1					-		46					
2 3		2						24						
S	2	3							48					
Color	<u> </u> -	4	ļ		ļ	 	 	25	49	 				
4 7 8 27 53 10 28 55 6 11 56 12 29 57 7 13 58 14 30 59 8 15 60 16 31 61 9 17 62 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 68 13 25 70 12 33 68 13 25 71 22 34 67 12 23 68 13 25 70 32 36 71 14 27 72 28 37 73 15 29 74	3-	5	 	 	 		 -		50					
5 9 54 54 610 28 55 55 611	4	7	 	 				20	52	<u> </u>				
5 9 6 11 12 29 7 13 14 30 8 15 16 31 9 17 18 32 10 19 20 33 66 68 11 21 66 66 12 23 66 66 13 25 26 36 14 27 28 37 30 38 15 39 30 38 32 39 33 41 41 81 33 69 34 40 39 77 30 38 31 39 32 39 33 41 41 81 35 41<	<u> </u>			 	 	 	-	27						
10	5	9							54					
12								28	55					
7 13 14 30 8 15 16 31 9 17 18 32 10 19 20 33 11 21 22 34 66 66 12 23 24 35 36 70 32 36 14 27 28 37 30 38 31 70 32 39 37 33 34 40 39 77 17 33 34 40 39 77 38 42 30 80 38 42 40 79 38 60 41 81 030 00 39 70 39 <td< td=""><td>6</td><td>11</td><td><u> </u></td><td>↓</td><td>ļ</td><td>ļ</td><td></td><td>II</td><td>56</td><td></td><td></td><td></td><td></td><td></td></td<>	6	11	<u> </u>	↓	ļ	ļ		II	56					
14	 	12	₩	┿	 	 		29	57					
8 15 9 17 18 32 10 19 20 33 11 21 22 34 66 34 12 23 24 35 13 25 26 36 14 27 28 37 15 29 30 38 16 31 30 38 17 33 34 40 18 35 34 40 38 40 39 77 38 40 39 78 42 83 38 42 38 0.08 20 39 40 43 85 00.2 20 39 44 81 80		13	 	 	┼	 	 	30	50					
16	8			 -	 -		-	1-30	60					
9 17 18 32 63 10 19 64 20 33 65 11 21 66 22 34 67 12 23 68 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 20 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0,020 18 35 80 36 41 81 0,560 19 37 82 80 40 84 85 60,2 2,90 0,035 21 41 84 87 279 48,9 4.34 0,800 324 22 43 44 87 279 48,9 4.34 </td <td></td> <td>16</td> <td></td> <td></td> <td> </td> <td> </td> <td> </td> <td>31</td> <td>61</td> <td></td> <td></td> <td></td> <td></td> <td></td>		16			 	 	 	31	61					
10	9	17		T`_	1				62					
11 21 33 65 12 23 34 67 12 23 68 35 69 13 25 70 70 26 36 71 72 28 37 73 73 15 29 74 74 30 38 75 76 16 31 76 78 32 39 77 77 17 33 40 79 0.020 18 35 80 80 36 41 81 0.560 10 37 82 82 38 42 83 9.08 20 39 84 84 40 86 80 9.09 21 41 86 9.09 42 83 9.08 9.09 44 97 279 48.9 4.34 0.800 21 41 86 60 9.09 43.8 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								32						
11 21 22 34 67 12 23 68 24 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 19 37 82 38 42 83 6.08 20 39 84 65 60.2 2.96 0.035 21 41 86 72 79 48.9 4.34 0.800 3.16 22 43 86 72 79 48.9 4.34 0.800 3.16 44 87 279 48.9 4.34 0.800 3.16 24 44 87 279	10	19		 		ļ	 -	II——	64					
12 23 34 67 13 25 35 69 13 25 70 26 36 71 14 27 72 28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0,020 18 35 80 36 41 81 0,500 10 37 82 38 42 83 6,08 20 30 84 42 83 6,08 21 41 86 0,0 2,196 0,00 21 41 86 0,0 24.9 0,00 3,16 22 43 85 60,2 2,96 0,035 0,00 3,16 21 41 86 0,00 24.9 0,00 0,00 0,00 0,00 <td><u> </u></td> <td></td> <td>∦</td> <td> </td> <td>┼</td> <td> </td> <td></td> <td>33</td> <td>65</td> <td></td> <td> -</td> <td></td> <td></td> <td></td>	<u> </u>		∦	 	┼	 		33	65		 -			
12 23 13 25 26 36 14 27 28 37 15 20 30 38 16 31 32 39 17 33 34 40 18 35 38 41 38 42 38 42 38 42 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 43 40 43 40 43 40 44 41 81 42 83 43 85 44 87 279 48.9 4.34 44 87 24.5 44 87 279 48.9 4.34 44 87 24.5 44 87 257 293 80.9 <td></td> <td>1 21</td> <td> </td> <td> </td> <td>∤</td> <td> </td> <td> </td> <td>34</td> <td>67</td> <td></td> <td></td> <td></td> <td></td> <td></td>		1 21	 	 	∤	 	 	34	67					
24 35 69 13 25 26 36 71 14 27 72 28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 36 41 81 0.560 10 37 82 38 42 83 6.08 20 39 84 85 60.2 2.96 0.035 21 41 86 0.2 2.96 0.0035 21 41 86 24.8 279 48.9 4.34 0.800 3.16 22 43 44 87 279 48.9 4.34 0.800 3.16 24 44 87 279 48.9 4.34 0.800 3.16 24 44 87 279 48.9 4.34 0.800 3.16 24 44 87 89 557 293 80.9 43.8 59.4	12	23		1	· †	 		- 	68			<u> </u>		
14 27 28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 19 37 82 38 41 81 0.560 10 37 82 38 42 83 6.68 20 39 84 40 86 60,2 2.96 0.035 42 83 6.08 0.02 2.96 0.035 42 83 86 0.02 2.96 0.035 42 44 87 279 48.9 4.34 0.800 3.10 22 43 85 89 557 293 80.9 43.8 59.4		24						35	69					
14 27 28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 19 37 82 38 41 81 0.560 19 37 82 38 42 83 6.68 20 39 84 40 86 60,2 2.96 0.035 42 83 6.68 0.02 2.96 0.035 42 83 6.68 0.02 2.96 0.035 44 87 279 48.9 4.34 0.800 3.10 22 43 85 89 557 293 80.9 43.8 59.4	13	25							70					
28 37 73 15 29 74 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 36 41 81 0.560 19 37 82 82 38 42 83 6.08 20 39 84 90 40 86 90 9.00 41 81 90 9.00 42 83 6.08 9.00 86 90 9.00 9.00 42 44 87 279 48.9 4.34 0.800 3.10 22 43 85 89 557 293 80.9 43.8 59.			 	 	 	 	ļ.——	36	71					
15 29 30 38 75 16 31 76 32 39 77 17 33 78 34 40 79 0.020 18 35 80 36 41 81 0.560 19 37 82 38 42 83 6.08 20 39 84 86 40 43 85 60,2 2.96 0.035 21 41 86 0.02 2.96 0.035 22 43 86 279 48.9 4.34 0.800 3.16 22 43 88 279 48.9 4.34 0.800 3.16 24 88 89 557 293 80.9 43.8 59.	14	27	} -	┿		 	 	37	73	 	 			
30 38 75 16 31 76 17 33 78 34 40 79 0.020 18 35 80 36 41 81 0.560 19 37 82 38 42 83 6.08 20 39 84 40 43 85 60,2 2.96 0.035 21 41 86 0.02 0.00 42 43 85 60,2 2.96 0.035 21 41 86 0.00 0.00 42 43 85 60,2 2.96 0.035 22 43 86 0.00 0.00 44 87 279 48.9 4.34 0.800 3,10 24 44 87 89 557 293 80.9 43.8 59.	15	29	├ ──	 	+	 	 	 -	74	 -	 	 -		
32 39 77 17 33 78 34 40 79 0.020 18 35 80 36 41 81 0.560 19 37 82 38 42 83 6.08 20 39 84 40 43 85 60,2 2.96 0.035 21 41 86 279 48.9 4.34 0.800 3,16 22 43 88 24.3 44 87 279 48.9 4.34 0.800 3,16 24. 45 89 557 293 80.9 43.8 59.4		30	 	 	1	1		38	75					
17 33 78 0.020 18 18 35 80 19 0.020 19 19 37 82 19	18								76					
34 40 79 0.020 18 35 80 36 41 81 0.560 19 37 82 38 42 83 6.08 20 39 84 40 43 85 60,2 2.96 0.035 21 41 86 0.00 0.00 42 44 97 279 48.9 4.34 0.800 3,10 22 43 88 89 557 293 80.9 43.8 59.4	<u></u>		 	 	_			39		 		ļ		
18 35 36 41 19 37 38 42 20 39 40 43 21 41 42 86 42 43 43 85 86 0,0 42 44 86 0,0 42 279 48 24. 44 87 279 48.9 43 85 80 0,0 22 43 80 24. 45 89 557 293 80.9 43.8 59.	17		 -		 	 	ļ ——	- 	78	0.000				
36 41 81 0.560 19 37 82 38 42 83 6.08 20 39 84 60,2 2.96 0.035 21 41 86 0.00 0.00 42 44 97 279 48.9 4.34 0.800 3,10 22 43 88 89 557 293 80.9 43.8 59.4	18	35	 	+	+	 	 	- -		שעיים				
19 37 38 42 20 39 40 84 21 41 42 86 22 43 43 85 86 60,2 29 48.9 42 44 86 279 48.9 4.34 44 87 279 48.9 43 85 80 24. 45 89 557 293 80,9 43,8 59.	 	36	 	 	1	 	 	41	81	0,560				
38 42 83 6.68	19	37		1			i -	1	82	[[1		<u> </u>
40		38						42	83_	0.68				
21 41 42 44 22 43 43 88 45 89 557 293 80,9 43,8 59.4	20			1	L	ļ	ļ	·						
42 44 87 279 48.9 4.34 0.800 3.10 22 43 88 293 80.9 43.8 59.4 45 89 557 293 80.9 43.8 59.4			╟	+	 	 	├ ──	<u> 43</u>		<u> 60.2 </u>	2.96	10.035		0.040
22 43 88 88 557 293 80.9 43.8 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4	 2 -		 			 -	· 	-44			49.0	A 34	0 400	0.040
44 45 89 557 293 80.9 43.8 59.4	22		∦	 -	+	 	 	∦77		. <u>2 ! 5</u>	40.9	7.37	0.000	24.5
المراجية المراجية المراجية المراجية المراجية المراجية المراجية المراجية المراجية المراجية المراجية المراجية الم	├ ─ः .	1- 4 4-	∦ ~ ~~	+	 	ļ	 ·	45		557	293	80.9	43.8	59.4
23 45	23	45		1	1	1	1	1	90		1	1		48.2

Table 5.2 (Continued)

DATE 25 August 1956 TIME 1930 - 1940 CST

CONCENTRATION (mg m⁻³)

The color of the	POST	NO.		A	RC			POST	NO.		A	RC		
10	Inner Arcs	800m arc	50m	100m	200m	400m	800т	Inner	800m arc	50m	100m	2001	400m	800m
47 03 794 575 221 27.1 70 139	46	91	1000	660	311	140	12.0	60	136	·	ļ			
100	47		704	575	221	27 1	V.410		138		 			
18	1-31		179	717		EL.A.		70						
149 96 140 52.1 0.550 142 143 144 150 98 150 2.93 0.020 144 144 150 160 151 101 101 102 16 160 151 101 102 16 160 150 102 16 102 16 160 150 160 150	48		633	318	37.9	0.090								
49 97 410 52.1 0.550 72 143 72 143 73 145 73 145 74 147 74 75 75 149 75 150 150								71						
SO 99	49		410	52.1	0.550									
100		98						72			1			
51 101 21.6 74 147 52 103 1.10 148 148 53 105 0.090 150 150 54 107 152 151 152 108 77 153 154 155 55 109 154 157 158 56 111 156 157 157 57 113 156 157 157 58 115 150 150 157 51 114 80 150 157 157 157 157 157 157 158 150 158 150	50		150	2.93	0.020		↓	II			 -	-		
Total Tota			<u> </u>	ļ	ļ		ļ	73		 	ļ	 		
52 103 1.10 75 148 53 106 0.090 150 150 5 106 76 151 150 54 107 152 151 5 109 154 154 154 5 109 154 156 156 110 78 155 156 111 156 157 157 57 113 156 156 114 80 150 156 58 115 160 80 150 58 116 81 161 80 160 50 117 162 163 164 164 164 164 164 164 164 164 164 164 164 164 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166	51	101	21.6	 	 		╁╾	74			 	 		
104				 	 	 	ļ	1		<u> </u>				
53 105 0.090 78 150 106 78 151 152 54 107 152 152 108 77 153 154 55 109 154 154 110 78 155 156 6111 1156 156 112 79 137 57 113 158 159 58 115 160 160 116 81 161 160 50 117 162 163 118 82 163 165 60 110 164 164 120 83 165 166 61 121 84 187 62 123 168 168 124 85 169 170 126 86 171 172 126 86 171 172 1	32		1.10-	 	 	 	 	75				 		
106	53	105	0.000	 	 		 	∦	150		1	1		
54 107 108 77 153 55 109 154 155 155 110 78 155 156 156 156 157 157 157 157 157 157 157 157 157 157 158 159	1.00		V.V.	 	 			76						
108	54	107							152		l			
55 109 154 110 78 155 56 111 156 112 79 157 57 113 158 114 80 159 58 115 160 510 116 161 50 117 162 118 82 163 60 119 164 120 83 165 61 121 166 124 168 169 62 123 168 124 85 169 63 125 170 126 87 173 65 129 87 173 66 131 170 132 89 177 132 89 177 133 170 170 134 90 179 135 180 179 <	1	108						77						
56 111 156 112 79 157 57 113 158 114 80 159 58 115 160 116 81 161 50 117 82 162 118 82 163 60 119 164 164 120 83 165 61 121 166 166 62 123 168 169 63 125 170 172 126 86 171 172 128 87 173 65 129 88 175 66 131 89 177 132 89 177 133 179 179 68 139 179 134 190 179 135 179 180	55	109							154					L
112 79 157 57 113 158 114 80 159 58 115 160 116 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 62 123 168 124 85 169 63 125 170 126 87 172 64 127 87 173 65 129 174 130 88 175 66 131 176 132 89 177 133 178 134 90 179 135 180		110			<u> </u>			78	155		ļ	 		
57 113 158 114 80 159 58 115 160 116 81 161 59 117 82 163 60 119 164 164 120 83 165 166 61 121 166 168 124 84 187 188 63 125 170 170 64 127 172 172 128 87 173 174 65 129 174 88 175 66 131 176 176 132 89 177 178 134 90 179 180	56	111		<u> </u>	 		 	 		 -	 			
114 80 150 58 115 160 116 81 161 59 117 162 118 82 163 60 119 164 120 83 165 61 121 166 122 84 167 67 123 168 124 85 169 63 125 170 64 127 86 171 126 87 173 65 129 87 173 66 131 176 132 89 177 133 178 134 90 179 180 179 180 170		112			 -	 	· 	 78 -				 		
58 115 160 116 81 161 59 117 162 118 82 163 60 110 164 120 83 165 61 121 168 122 84 167 67 123 168 124 85 169 63 125 170 126 86 171 128 87 173 65 129 174 130 88 175 66 131 89 177 132 89 177 133 178 178 134 90 179 180 179 180	57	113			 -	}	 	1-00		ļ	-}	 		
116	L	114	 		<u> </u>	¦		1 60		<u> </u>				
117	28		} -	├	 -	 					+			
118 82 163 60 119 104 120 83 165 61 121 166 122 84 167 67 123 168 124 85 169 126 86 171 64 127 172 128 87 173 65 129 88 175 130 89 177 66 131 89 177 132 89 177 134 90 179 134 90 179 180 180		1110	 -	-{·		·}		₩	162		┥	 		
60 119 164 120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 63 125 170 126 86 171 64 127 172 128 87 173 65 129 174 130 88 175 66 131 89 177 67 133 178 134 90 179 180 180	28		╫┈╍┈	┼		 	 	82			+	 		
120 83 165 61 121 166 122 84 167 62 123 168 124 85 169 126 170 170 64 127 172 128 87 173 65 129 174 130 88 175 66 131 89 177 67 133 178 134 90 179 180 180	60		 	 	 	+	 	╢ <u>~~</u>	164	╟──	1	1		
61 121 166 122 84 167 62 123 168 124 85 169 63 125 170	100	120	 -	1	 	 	1	83	165			1	1	
122	61	121	 	1	 	1	 -					1		
67 123 124 85 63 125 126 86 64 127 128 87 65 129 66 131 67 132 67 133 68 177 134 90 179 180	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>		 	1	1	†- -		84	167					
124	F 82̄			 		1	1							L
126	1	124						85		 	_	 		
64 127 128 87 65 129 130 88 66 131 132 176 67 133 134 90 179 180	63	125								ll				
Column	[1				_ _ 86	171	 		4	 	
Column	G1		J					H	172	 				 -
130		128	↓	-	_		-		$-\frac{173}{124}$	∤			 	
G6	65	129			-			_{0.8}	175	∤├			 	 -
132	F		-{}-							 			1	
67 133 134 90 178 90 179 180	1.00		1	+			1	89		11		- †	 	
134 90 179 180 180 180 180 180 180 180 180 180 180				·· ·						╢		-	1	1
66 135	1			1 -	j -	İ		1 90		1	-	-	1	1
	68		.		"	1		∰ "		1]	1
	. .	7 7 7 7	1	-	1	1		91	181		_1		L]

Table 5.2 (Continued)

DATE 25 August 1956 TIME 2230-2240 CST

CONCENTRATION (mg m⁻³)

POST	NO.		Δ	RC			POST	NO I			P.C		NO. 58
-				.				.10.			RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800ш	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
-	2						24	47					
2	3		 					48					
3	4 5						25_	49 50					
	6						26	51					
4	7							52					
	8						27	53					
5	9		ļ				 	54	ļ				
1	10	ļ	├				28	55	ļ				
6	11	 	 					56	 				
7	13		 				29	57 58	 -				{
	14	-	 				30	59	 				
8	15		1					60					
	16						31	61					
9	17							62					
	18	<u> </u>					32	63					
10	19 20	 			ļ	 	1	64	<u> </u>				
11	21	i	 	-			33	65 66	j				
	22	 	 				34	67	}				
12	23		1					68					~~~
	24						35	69	0.110				
13	25							70					
	26	 	ļ			ļ	36	71	0.165				
14	27 28	 	 	ļ	 -	ļ	37	72 73					
15	20	 	 			 		74	0.330				~~{
	30			 			38	75	1.36				
16	31							76					
	32						39	77	14.3	0.300			
17	33	} }						78					
10	34		 -	 	 	}	40	79	100	7.01	0.090		
18	35 36	<u> </u>	 -	 -			 	80	222	77.0	2 42	0.20	
19	37	<u> </u>	 	 	} -	 	41	81 82	332	77.0	1.43	V.365	0 106
	38	<u> </u>	 		 	 	42	83	567	303	88.8	22.1	0,105 3,43
20	39		1		 		₩ <i>~</i>	84		 -	<u> </u>		20.3
	40						43	85	723	524	239	101	39.4
21	41							8G					22.3
	42	ļ	 			L	44	87	707	419	134	26.4	3.55
22	43	 	 	ļ	 -	ļ		8L			46		0.295
22	44	- -			ļ		45	89	552	174	22.1	0.835	0.030
23	1 43	1	L	1		l	ii. i	ับบั	L	L	L	اـــا	لـــــا

Table 5.2 (Continued)

DATE 25 August 1956 TIME 2230 - 2240 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200п:	400m	800m
46	91 92	239	23,6	0.870				136 137					
}	92					ļ	69	137		 	 		
47	93 94	67.2	2.51				70	138 139					
48	95	11.8	0,305				 ''-	140			 		
	96		1				71	141					
49_	97	4,43	0.055	ļ			[142	Ĺ <u></u> -	ļ			
50	98 99	0.265	 				72	143	ļ	·			
130	100	0.203	 	_		├ -	73	145			 		
51	101							146					
	102	[}					74	147					
52	103 104	<u> </u>	ļ	 			75	148			-		
53	105	<u> </u>	·	 	-			150		 			
	106	<u> </u>					76	151					
54_	107							152					
	1 108	! ! · - ·- · -		 		ļ	77	153	ļ		 		 }
55_	109_	 		 -			78	154 155		 -	 -i		
56	iii	 					- -	156		 			
1	112					1	79	157			-		
57	113]] }		 				158	ļ	 	ļ		
5.0	114 115	···					80	159		 -			
<u>. 58</u> .	116	 		1			81 -	160 161		 	 		
59	117	ή	1	1				162		1			
	118		1		1	1	82	163					
Ğυ	119)	}	1			11	164	ļ. 	 	}		
	120	j			· ·- ·	\·	83	165 166	 		 		
61	121		1 -	i -			} 84	167	ļ	 	 		
62	123	 	1	í	İ		1	168		1	1		
	124	1	i		 		[85	[169]		T			
63	125			i	ļ	i	il oc	170	}	↓	 		
6.4	126	1		1	i	-	86	171	i∤	+			
6.1	128	·}			i	!	87	172 173	<u> </u>	1	<u> </u>		
65	129			į ·	ļ	1	ii -	174	i!				
	1.30	ii .		i	i .	. = . = .	ll - 68 Մ	175] 	l	-		
(54) 	$\frac{131}{132}$	il.		1	i		89	$\frac{176}{177}$	i	· · ·	ļ · · · · · ·	<u></u>	
67	133	1	i	İ	!		•	178	1.	j ·	j	ļ	
"	134	H	l i	· [İ		$\frac{6}{11}$ 90	$\frac{1}{2}179$	ii	1	1	1	
68	135	 		:	į	į		150	: [1:				
	ļ	<u>!</u> !	1	į.	l	į	91	161	.; .l	1	!	1	لـــــا

Table 5.2 (Continued)

DATE 26 August 1956 TIME 0030-0040 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST			Α	RC		10.00
	[Γ	1									
Inner Arcs	800m arc	50m	100ш	200m	400m	800ш	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2						24	47					
2	3 4			 			25	48 49		 			
3	5							50					
	5 6						26	51					
4	7 8		ļ. 				27	52 53	<u> </u>	}			
5	9		 					54	 -	 			
	10						28	55					
6	11						- 65	56	ļ	ļ			
7	12 13			-		·	29	57 58	 	 			
	14						30	59	}	 	 		
8	15							60					
	16		ļ				31	61			ļ		
9	17 18						32	62 63	<u> </u>		 		
10	19		<u> </u>					64	 				
	20						33	65					
11	21 22		 				34	66		 			
12	23		 	 				68					
	24						35	69					
13	25 26		ļ	-			36	70	ļ	 	 	 	
14	27		 	 			-30	$ \begin{array}{r} 71 \\ 72 \\ 73 \\ 74 \\ \hline 75 \end{array} $	ļ		 		
	28						37	73					
15	29							74	 				
16	30 31		 	<u> </u>			38	76	·				 -
	32						39	77					
17	33							78					
10	34		\	 			40	79					
18	35 36	 	 	 			41	80 81	}		 		
19	37		 					82					
	38						42	83					
20	$-\frac{39}{40}$		ļ				-12	84					
21	$-\frac{40}{41}$						43	85 86					
	42						4.1	87	0.015	0.010			
22	43							88					
-04	44			·			45	89 90	0.045	0.070			
23	1.3	I		1			II.,	טט	l	L	Ll		

Table 5.2 (Continued)

DATE 26 August 1956 TIME 0030 - 0040 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		A	RC		
-				-		 	-						
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400ш	800m
46	91 92	0.125	0.515				69	136 137					
47	93	0.210	0.480	 _	<u> </u>		- 00	138					
	94						70	139					
48	95	0,870	0.375	0.070				140					
10	96	4.05	0.450	0.100	ļ	ļi	71	141 142		ļ		·	
49	97 98	4.07	0.470	0.120	<u> </u>		72	143					
50	99	22.5	1.73	0.275				144					
	100						73	145					
51	101	65.0	8.12	0.795	0.030			146					
52	102 103	130	33.2	6.40	0.540	 	74	147 148		 			
32	104	130	33.2	0.40	0.040	0.085	75	149					
53	105	237	83.1	26.4	5.18	0.545		150					
	106					1.79	76	151					
54	107	302	118	43.6	15.1	4.15	77	152 153					<u> </u>
55	108	281	114	40.2	10.8	6.07 4.75		154		 			
-50	110	201		10.5		2.44	78	155					
56	111	212	53.4	13.3	3.20	0.815		156					
	112					0.135	79	157				···	
57	113 114	110	27.2	2.98	0.270	0.050	80	158 159		ļ			
58	115	44.7	4.94	0.330	 		-00	160					
	116			0.000			81	161					
59	117	10.6	0.415					162					
	118		0.000				82	163					
60	119	1.76	0.060				83	164 165					
61	120 121	0.220	0.045		ļ			166					
<u> </u>	122						84	166 167					
62	123	0.140	· · · · · · · · · · · · · · · · · · ·					168					
	124						85	169					
63	125	0.110					0.0	170	ļ	· · · · · · · · · · · · · · · · · · ·			
64	126 127				 	ļ	86	171 172	<u></u>	 -			
-0.1	$\frac{121}{128}$	 				-	87	173					
65	129							174		 			
	130						88	175					
66	131		ļ <u>-</u>			ļ	L	176		ļ			<u> </u>
- 67	132 133	-			ļ	 	89	177	 	 	}		
- 21	134					<u> </u>	90	179	 		<u> </u>		
68	135							180					
		<u> </u>	<u> </u>	L	l	<u>l. </u>	91	181		<u> </u>	L		}

Table 5.2 (Continued)

DATE 27 August 1956 TIME 1100-1110 CST

CONCENTRATION (mg m⁻³)

POST	r no.		A	RC			POST	NO.		A	RC		110.01
 			T										
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
1	1							46					
	2 3						24	47					
2	3		ļ					48					
3	<u>4</u> 5	 	 	 			25	49					
	6	 	 	-			26	50 51	<u> </u>				
4	7		1					52					
	8						27	_53_					
5	9	ļ	ļ.——					54	<u> </u>				
6	10 11		 	 			28	55			 -		
-	12						29	56 57			 		
7	13	·	 				25	58	 				
	14		 				30	59	 				
8	15							60					
	16						31	61					
9	17		ļ					62					
10	18 19						32	63	ļ 				
10	20		 	 			33	64 65	 	·			
11	20 21		 					66					
	22						34	67					
12	23			ļ				68					
13	24 25		 	 			35	69 70					
1.5	26	<u> </u>	 	 			36	71					
14	27		†					72					
	28						37	73					
15	29	ļ						74					
16	30 31						38	75 76					
10	32	}					39	77					
17	33		 	 				78					
	34						40	79	0.325				
18	35							80					
	36						41	81	4.53]	
19	37						-40	82					
20	38 39						42	83	9.57				
20	40		 				43	85	18,9	0.095			
21	41							86	10.8	0.033			
	42						44	87	20.9	1.85			
22	43							88					
0"	44						45	89	19.8	4.85	0.075		
23	45	L	L	ll	l		11	90	l				

Table 5.2 (Continued)

DATE 27 August1956 TIME 1100 - 1110 CST

CONCENTRATION (mg m⁻³)

POST	NO.			RC			POST		<u> </u>				NO. 61
	110.			~~~~			PUS 1	NO.		Α.	RC	· · · · · · · · · · · · · · · · · · ·	
Inner Arcs	800m arc	50m	100m	200m	400m	800ra	Inner Arcs	800m arc	20m	100m	200m	400m	800m
46	91	29.3	6.36	0.870	0.025			136					
47	92 93	46.2	9.03	3.75	0.070		69	137 138	18.2	5.22	1.38	0.085	
-3'-	94	30.4	8.03	<u> </u>			70	139	22.7	5.37	1,37		
-18	95	60.9	17.3	3.34	1,04	0,030		140					
49	96 97		01.0	4.08	1 15	0.080	71	141	17.1	5.67	0.780		
-43-	98	72.9	21.8	4.08	1.15	0.125	72	143	12.3	4.05	0.140		
<u>[</u> 50]	99	87.3	25,4	7.13	1.89	0.390		144					
	100	104	00.0	0.60		0.625	73	145	8.09	0.865			
51	101	104	32.0	9,73	3,19	0.965 0.845	74	146 147	2.24	0.055			$\overline{}$
52	103	133	35.3	12.2	3.39	0.685		148		0.000			
	104					0.615	75	149	0.050				
53	105 106	201	41,3	12.4	3.05	0.595 Q.545	76	150 151	0.045				
54	107	161	42.6	14.5	3.16	0.555		152	0.010				
	108]	<u> </u>			0.600	77	153					
55	109	161	48.8	16.1	3.65	0.775 0.905	78	154 155					
56	1111	159	55.7	17.3	4.33	0.955	10	156	}	ļ			
	112					0.845	79	157					
57	113	143	54.3	15.5	3.21	0.735		158_	<u></u>	 			
58	114	148	42 0	10.4	2.31	0,595 0,510	80	159 160			 		
	116	140-	43.8	10.4	2	0.450	81	161					
59	117	128	39.6	9.83	2.05	0.425	——————————————————————————————————————	162					
60	118	106	30.0	9.23	2.36	0.320	82	163 164	 		 		
-00	120	100	30.0	9.23	2.30	0.420	83	165		 	 		
61	121	85.4	29.4	8.42	2.09	0.230		166					
	122					0.185	84	167					
<u> 02</u>	123	71.1	19.5	7.39	1.11	0.180	 85	168 169	<u> </u>	 	 -		
63	125	59.0	16.7	4.93	1.05	0.085		170		· ·			
1	126		1			0.080	86	171					
64	127	42.5	13.3	4.83	1.10	0.080	87	172 173	i}	 -		 -	
65	128	40.2	11.7	4.26	0.929	0.105_ 0.145	i∟ 9 ! ¦	174	}		 	1	
	130]				0.145	-88	175					
66	131	35.6	8.87	2,66	0.669	0,135	 ₀₀	176 177	! }				
67	132	26.1	6.08	1.50	0.480	0.060	89	178	{}·		 		
1. *!	134	٠٠.١ ا	0.00	1.50		~; 1	90	179					
68	135	21.3	4.67	1.29	0.44	5 j .	j'	180_					
l	!	ــــــ لا	l	!	l	1	91	181	li	l	<u> </u>	1	لــــا

Table 5.2 (Continued)

DATE 27 AUGUST 1956 TIME 1400 - 1410 CST

CONCENTRATION (mg m⁻³)

POST	r no.			RC			POST	NO			RC		10. 02
103		<u> </u>	 1				7031	.,,					
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Imer Arcs	800m arc	50m	100m	200m	400m	860m
46	91						- 60	136	00.1	4 11	0.045		
47	92						69	137 138	29.1	4.11	0.045		
41	94						70	139	14.6	2.60			
18	95	0.160						140					
	96						71	141	7.20	0,615			
49	97	0.780					72	142 143	4.05	0.390			
50	99	2.66	0.065					144	1.03	0.550			
	100						73	145	3.39	0.170			
51	101	6,89	1.03					146]
52	102_	14.2	3.68				74	$\frac{147}{148}$	2.24	0.095	 		
1-32-	103_	14.6	3.00				75	149	1.32	0.160			
53	105	50.1	6.03	0.245		0.015		150					
	106					Q.040_	76	151	0.380	0.105			
54	107	99.6	15.2	1.21		0.075	77	152_ 153	0.065	0.070			
55	$-\frac{108}{109}$	145	28.2	3.93	0.050	0.185 0.330		154	0.065	ή.ψ <u>.υ</u>	 		
	110				9.000	0.220	78	155	0.230				
56	111	179	49.4	8.78	0.585	0.210	- 	156					
- <u></u> -	112				٠. ، ، -	0.210 0.430	79	157	0.170	ļ			ļ
57	$\begin{array}{c c} 113 \\ 114 \end{array}$	231	76.4	16.2	1.45	0.430	80	158 159	0.175		 		ļ
58	115	296	88.4	21.5	3.71	0.745	- <u>-</u> 00	160	1				
	116					1.06	81	161	0.165				
59	117	335	113	32.9	7.33	1.45		162					
	118	000		00.0	0.00	1.50	82	163	0,180	ļ			
60	119 120	378	115	33.8	8.08	1.93 1.46	83	165	0,160		 		
61	121	333	98.4	31.4	7.63	1.72		166	 0'100		 		
	122					1.44	84	167	0.120		1		
62	123	266	81.0	25.5	7.94	1.27		168	1		I		
1-20.	124		22.2	1	5 66	0.835	35	169	0.115				ļ.——
63	125	170	67.7	16.0	7.66	0.605	86	170 171	}	ļ	 		j
64	127	168	45.0	9.79	1.75	0.190		172	}		1		
	128					0.125	87	173		1	1		
65	129	144	31.7	5.82	0.745	0.075		174					ļ
	130		16.4	2.92	<u></u>	$\begin{bmatrix} 0.075 \\ 0.095 \end{bmatrix}$	88	175 176	į!		 -		ł
<u> 6</u> 6	132	113	16.4	2.52	0.520	0.085	89 1	177		<u> </u>	ļ··		† - · -
67	133	80.3	7.01	1.79	0.050	0.075		178	!; !;	-			1
	134					0.090	[90]	179	li.				<u> </u>
68	135	54.2	6.59	0.445		0.090	91	180 181	ļ:		-		
l	ــــــــــــــــــــــــــــــــــــــ	Ш	·	1	i	L	<u>iL :/1</u> _	L101	l .	.1	I	ـــ-	L

Table 5.2 (Continued)

DATE 29 August 1956 TIME 1930-1940 CST

CONCENTRATION (mg m⁻³)

							!		''				NO. 65
POST	ΓNO.		A	RC		<u> </u>	POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
	1							46					
	3						24	47					
2	4						25	48 49	 -	-			
3	5							50					
4	7	_					26	51 52	<u> </u>				
	8			<u> </u>			27	53					
5	9_							54					
6	10	 					28	55 56	ļ				
	12						29	57					
7	13						00	58					
8	14	 -	 -	 -			30	59 60	0.045				
	16						31	61	0.065				
9	17	 -		 -			32	62 63	0.150				
10	19		 	 			32	64	0.130				
	20						33	65	0.215				
11	21		 	ļ	 		34	66 67	0.370				
12	23							68					
13	24 25		 	 			35	69 70	0.945		- 		
13	26		 	 	 -		36	71	2.94	0.045			
14	27							72			1		
15	$\frac{28}{29}$	 -	 -	 	 		37	73 74	12.3	0.550			
	30			ļ			38	75	39.3	5.81	0.170		
16	$\frac{31}{32}$	<u> </u>				ļ	39	76 77	93.5	19.4	2.17	0.120	
17	$\frac{1-\frac{32}{33}}{33}$		<u> </u>	 -			<u> </u>	78					0.015
	34						40	_79_	174	60.9	14.8	2.37	0.290
18	35				 	 	41	80 81	281	116	37.8	12.7	3.42
19	36							82 83					6.12
20	38	ļ	ļ.—		 		42	83_	354	153	56.2	21.1	7.02 6.08
	40			·	 		-43	84 85	312	118	38.7	11.4	3.32
21	41						ll	8G 87	,				0.925
22	42	ļ	ļ		l	 	44	$-\frac{87}{88}$	213	63.0	13.7	1.70	0.185 0.030
L	44		1				<u>1</u> 5	89	118	20.3	2.09	0.095	5.550
[23	15		[I		i¦	90		<u> </u>			

Table 5.2 (Continued)

DATE 29 August 1956 TIME 1930-1940 CST

CONCENTRATION (mg m⁻³)

POS	T NO.		Δ	RC	·		POST	·	, 		.RC		NO.65
-	1	<u> </u>					F031	NO.		^			
Inner	800m arc	50m	100m	200m	400m	800m	Inner Arcs	800m arc	50m	100m	200m	400m	800m
46	91	49.4	3.90	0,145			69	136					
47	92 93	16.2	0 415				09	137 138					
	94	10.2	0.415				70	139					
48	95	2.36						140			1		$\overline{}$
	96						71	141					
49	97	0.310						142					
F0	98 99						72	143 144			 		
50	100						73	145				+	
51	101	<u> </u>						146					
	102						74	147					
52	103							148			 	<u> </u>	
53	104 105	ļ					75	149 150					
1 23	105						76	151			 		
54	107	ļ -	 		·			152			 		
	108						77	153					
55	109							154					·
	110						78	155					
56	111							156			 		
57	112 113						79	157 158					
-31	114			<u>_</u>			80	159			 		
58	115						-00	160					[
	116						81	161					
59	117							162					
<u></u>	118						82	163					
60	119 120						83	164 165					
61	121							166		·			
<u> </u>	122						84	167					
62	123							168					
	124						85	169					
63	125							170					
	126	 					86	171			 		
64	127 128	 					87	172 173			 		
G5	120		 					174	··· 		 		
	130		 				88	175					
66	131							176					
	132						89	177					
67	133						90	178 179			 		
68	134 135	 					-90	180			 		
-00-	1.22						91	181			 		
I	L	U	L	l l			1	للسشانشا	L		<u> </u>		

Table 5.2 (Continued)

DATE 29 August 1956
TIME 2130-2140 CST CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		Al	RC		1020
Inner Arcs	800m arc	50m	100m	200т	400m	800m	Inner Arcs	800m arc	50m	100т	200m	400m	800m
1	1							46					
	2						24	47	0.430				
2	3	 					25	48	0.445	 ,			
3	5	<u> </u>					63	<u>49</u> 50	0.110				
	6	}					26	51	0.365	0.055			
4	7							52					
	88						27	53	0.305	0.100			
5	9			!				54	0.000				
6	10			ļ			28	55	0.280	0.205			
├	11	 	 	 	ł		29	56 57	0.315	0,245			
7	13			 			23	58	0.313	0.243			$\neg \neg$
<u> </u>	14	ļ		 -			30	59	0.885	0.270	0.150		
8	15							60					
	16						31	61	4.64	0.495	0,080		
9	17				<u> </u>			62					
<u></u>	18	ļ	 	 -	 -	 	32	63	24.9	1.64	0.555		
10	19 20	∦	├ ──	 		ļ	33	64	76.4	20.0	4 50	0.100	
11	21	i -		ł	 	 	(;	-66	10.4	28.8	4.58	0.190	
1	22	 		 	 -	 -	34	67	158	78.9	28.1	5.65	0.025
12	23			ļ		<u> </u>		68			-5.1	0.00	0.130
	24						35	69	159	106	45.9	17.1	1.09
13	25		ļ	ļ	ļ	 	<u> </u>	70					4.80
}	26	 	 		 -		36	71	218	82.1	29.9	13.1	7.72
14	27 28		}	 	 	├	37	72 73	203	60.0	19.8	6.24	6.88 5.21
15	29	 -	 	 	 	 	 	74	200	00,0	13.0	0.24	4.13
	30	(ļ	 -	38	75	215	64.4	20.5	7.00	2.68
16	31							76					2.85
	32		L		<u> </u>	 	39	77_	278	98.9	31.6	11.2	3.29
17	33	 	ļ	ļ	ļ	ļ	 -	78	- <u></u>	 , , , , , , , , , , , , , , , , , , ,	-	02.0	4.88
	34		 	 	!	 	40	7 <u>9</u> 80	355	155	57.7	23.2	7.50
18	35 36	0.060		 	i	 	41	81	390	176	66.9	19.3	2.61
19		0.130	 		 -	 	 	82		- -	1	1	0.445
\	38	HATTAN.	1	 -		 	42	83	321	138	30.0		0.035
20	39	0.200	1]	84					
<u> </u>	40			T			43		234	47.3	4.34	0.030	
21	41	0.275		ļ	l	ļ	ļi ,	86_	 	1	l	 	
	42	 	ļ	·	ļ 	ļ	44		114	9.41	0.225		
22	43	0.350	ļ	 		ļ		88	1 27 2	1-5-00	10.000		
23	45	0.395	}			·	45_	<u> 8</u> 9 89	37.2	U.:/00	0.060	 	
23	7	10.333	1	1		!	11 .	,,,,	l	L	٠	l	لــــا

Table 5.2 (Continued)

DATE 29 August 1956 TIME 2130-2140 CST

CONCENTRATION (mg m⁻³)

	1	Γ				EN LIKA			''			HUM	NO.66
POS	1 NO.	ļ	A	RC	-		POST	NO.		A	RC		
Inner Arcs	800m arc	50m	100m	200m	400m	800m	Inner Arcs		50ms	100m	200т	400m	800m
46	91	3,02						136					
47	92 93	0.085			 -	\	69	137	ļ <u> </u>		 		
-3!-	94	0.000					70	139	~ 	 			
48	95			İ				140					
	96	ļ					71	141					
49	97 98					ļ	72	142	}	 			
50	99			 	 		16	144	<u> </u>	 -	├ -		
	100			1	1		73	145					
51	101							146					
52	102 103	·		-	L	ļ	74	147		ļ	 		
32	104	 			 -	l ——i	75	148 149		 			
53	105			İ	 -			150		<u> </u>			
	106			!			76	150 151					
54	107			ļ	 .			152	ļ				
55	108			ļ	 		77	153 154	 -				
33	110			 -	 		78	155		 			
56	111				1			156		-			
	112			I			79	157					
57	113	 .	ļ	ļ	ļ		1	158	ļ	⊢—	 		
58	114	- -					80	159 160					
	116	 		···-	 	ļ.—	81	161	 -	 	·		
59	1117							162	¦	<u> </u>			
	118						_U2	163		1			
60	1119	 				ļ		164					
61	120		. -	ļ -		·	83	165 166	 -	ļ			
-	122					·	84	167			1		
62	123		Ī	<u> </u>	1	1		168 T					
	124						85	169					
63	125					į	- 86 -	170		ļ	 		
64	126		1		ļ	ł .	80	171 172					
	128		ļ ·	İ	ì	1	87	173		ļ ·-	│		
65	128			<u> </u>		i		174		T	11		
	130						88	175		1			
	131 132		-		}	ļ	ii. 89	176		·	ļ -		
C7	133			i			::	178	<u> </u>	· · · · -			
}	134			† -	1	1	90	179	ł	-	1		
<u>68</u>	135			L]			180	į - ·		1		
	<u> </u>		L	J	1		ii. 91 <u>.</u> .	[181]]	i	1		

Table 5.2 (Continued)

DATE 30 August 1956 TIME 0030-0040 CST

CONCENTRATION (mg m⁻³)

POST	NO.		A	RC			POST	NO.		AI		1(0)1	
			Γ						·				
Inner Arcs	800m arc	50m	100m	200m	400ra	800m	Inner Arcs	800m arc	50m	1000	200m	400	800m
1	1							46					
	2						24	47					
2_	3		 	ļ				48					——
3	5		 			<u> </u>	25	49 50					
-	6		†				26	51					
4	7							52					
	8	<u> </u>	ļ	ļ			27	53					
5	9	}	├		 	 	28	54					
6	10	 	 	 	 	 	20_	55 56					
<u> </u>	12	 		 		1	29	57					
7	13_							58					
	14				 		30	59					
8	15 16		╁		 	 -	31	60 61					
9	17	 	 	 	 	 	-31	62	 -				
<u> </u>	18	 	 -	 	 	 	32	63					
10	19_							64					
L	20	ii	↓	<u> </u>		<u> </u>	33	65					
11	21 22	 	 -	 	 	 -	34	66 67	ļ				
12	23	¦}	+	 	 	 -	- 3 -	68	ļ 				
	24						35	68 69					
13	25					\Box		70					
	26	 -			<u> </u>	┿ .	36	71 72	 -	 			
14	27	} -		 -	 	┿~ ·	37	73		 			
15	29	(+	 	 	 	╢ <u>┈</u>	74					
	30						38	75					
16	31	 	 _	 		ļ	 _	76	0.005	 			
17	32	<u> </u>	 	 -	 	 	39	77	0.065	 			
1	34	i	 		 	 	40	79	0.175	i			
18	35	1	1	1][]	80					
	35 36 37					L	41	81	0.870	0.035	ļ		
19		ļ	-	 	 		H	82	- 0 00	0.100	0.010	├	
20	38	il		 	+		42	83	2.60	0.160	0.040	 	
-20	- 40	 	+	 	- -	 	43	85	10.6	2.16	0.070		
721		11	+	 	1	1	J	86		1			
	12	<u></u>		1	1		44	. 87	39.0	7.08	0.720	0.070	
22	43					ļ	<u>.</u>	88		ļ	ļ		
- 5-3-	44		ļ	·	 		45	89	84.2	23.7	3.72	0.380	075
23	45	11	.1	1	1	1	Ш	90	l L	L	1	L	.075

DATE 30 August 1956 TIME 0030-0040 CST

Table 5.2 (Continued)

CONCENTRATION (mg m⁻³)

		 -				ENTRA	1104 (ung m	<u> </u>			RUN	NO. 67
POST	NO.		A	RC			POST	NO.		A	RC		
Inner Arcs	800m arc	50ra	100m	200ш	400m	800m	Inner Arcs	800m arc	50m	100m	200ш	400m	800ш
46	91 92	150	52.1	13.0	2.27	0.410 1.46	69	136 137					
47	93	222	78.8.	25.0	8.46	2.77		138					
48	94 95	281	124	41,1	13.8	3.62 4.37	70	139 140		 			
	96					5.99	71_	141					
49	97 98	306	126	48.3	17.3	6.10 4.61	72	142 143			┼		
50	99 100	275	109	36.3	10.4	1.81	[[144					
51	101	186	55.2	14.8	1.78	0.390 0.120	73	145 146		ļ	 		
52	102	105	21.0	2.61	0.065		74	147 148					
	104				0.003		75	149		-	 		
53_	105 106	40.8	4.55	0.195			76	150					
54	107	14.5	0.545			 	1 1	151 152					
55	108	3.75					77	153 154			·		
	110		0.110			-	78	155		ļ			
56	111	0.935	0.105				79	156] 157					
57	113	0.165	0.235			 		1 58					
58	114					 	80	159					
	1116		ļ · -				117	160 161		 -	 		
59	1.117		ļ - - -					162					
-G0	118 119	∦					112	163 164		·	 		
	120_					ļ ———	83	165					
61	121	 	 				84	166 167	ļ -··		 	~+	
62_	123							168					
63	$\begin{array}{c c} 124 \\ 125 \end{array}$	 	 				85	169 170		 -	┪┥	+	
	126					ļ	86	171 172		· · · · · · · ·			\Box
6.1	127			-		 	87	$\begin{bmatrix} 172 \\ 173 \end{bmatrix}$	ļ	+	¦ · · ·		
65	$\frac{1}{120}$		Ī			<u> </u>		174					
	130 131						88	175 170	_	-	 		
	132		!		·	<u> </u>	89	177 178					
0.7	133	~				ļ	90	$\begin{bmatrix} 1.78 \\ 179 \end{bmatrix}$			+		
68	$13\overline{5}$							179 180	ļ		11		
<u> </u>	<u>i</u>	<u>ii</u>	L		l	 _	91	181	l	1	لــــــــــــــــــــــــــــــــــــــ		

Table 5.2 (Continued)

DATE 30 August 1956 TIME 0230-0240 CST

CONCENTRATION (mg m⁻³)

The color of the	Poss	POST NO. ARC POST												
1	105	NO.	ļ	A	KC.	,		POST	NO.	ARC				
2 3 4 4 7 48	Inner Arcs	800m arc	50m	100т	200m	400m	800m	lmer Arcs	800m 27C	50m	100m	200m	400m	800m
2 3 4 4 5 6 6 6 6 6 6 6 6 6	1_1_	1							46					$\neg \neg$
The state of the		2						24	47					
3 5 6 26 51 52 52 53 54 55 55 55 55 55 55	2				 			05						
Color	3	5		 				- 43		!				+
8 27 53 54 54 54 54 54 55 54 55 55 55 56 </td <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>26</td> <td>51</td> <td></td> <td></td> <td></td> <td></td> <td></td>		6						26	51					
5 9 10 28 55 6 11 7 13 29 57 7 13 30 59 14 30 59 0,130 8 15 60 31 61 0,175 9 17 62 - - - 10 19 62 - - - 11 21 66 -	4			 	 -			<u> </u>		_				
10	5	9	ļ	 -		 -		27						
66 11 12 29 57 0,105 7 13 30 59 0,130 8 15 60 9 17 62 10 19 62 10 19 64 20 33 65 0.435 0.055 11 21 66 22 34 67 0.790 0.035 0.030 12 23 13 25 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								28						
7 13 14 30 59 0,130 0 8 15 60 0 0,130 0 9 17 62 0 0 0 10 18 32 63 0,255 0 10 19 64 0 0 0 11 21 66 0 0 0 0 12 22 34 67 0,790 0.035 0.030 0 12 23 68 35 69 3.21 0.450 0.035 0 12 23 68 35 69 3.21 0.450 0.035 0 0 12 23 70 70 70 0.0780 0.035 0	6	11							56					
14		12	ļ <u>.</u>	 	}	 -		29		0.105				
8 15 16 31 61 0.175				 	 	 	ļ	30		0 130				
16	8		 	+	 	 		30		0,130				
18		16						31	61	0.175				
10	9		ļ	<u> </u>		<u> </u>								
11 21	10	18	 	├	 	 		32		0.255				
11 21 34 67 0,790 0,035 0,030 0,035 0,030 0,035 0,030 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,035 0,030 0,045 0,000 0,000 0,045 0,045 0,000 0,000 0,045				 	 	 -	 	33		0,435	0.055			
12 23 24 35 69 3.21 0.450 0.035 13 25 70	11	21							66					
24 35 69 3.21 0.450 0.035 0.035 26 36 71 17.0 0.780 0.030 0.045 0.030 0.045	12	22		 		ļ <u></u>		34		0,790	0.035	0.030		
13 25 26 36 71 17.0 0.780 0.030 14 27 72 72 72 73 38.6 4.56 M 15 29 74 102 19.7 1.88 0.045 16 31 76 76 78	12		 	 	 -	 	 	35	69	3 21	0.450	0.035		
14 27 28 37 73 38.6 4.56 M 15 29 38 75 102 19.7 1.88 0.045 16 31 76 39 77 188 56.6 9.27 0.450 17 33 78	13	25			 	 			70	0.22				
28 37 73 38.6 4.56 M 15 29 38 75 102 19.7 1.88 0.045 16 31 76 39 77 188 56.6 9.27 0.450 17 33 78								36	71	17.0	0.780	0.030		
15 29 30 38 75 102 19.7 1.88 0.045 10 31 76 78	14		╟	⊢ −	 	 -		27		20.6	1.56	1/		
30 38 75 102 19.7 1.88 0.045 16 31 76 39 77 188 56.6 9.27 0.450 17 33 78 320 110 28.5 4.31 0.100 18 35 80 0.255 36 41 81 480 173 47.3 13.9 0.890 19 37 82 M 38 42 83 581 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 5.60 44 87 88 5.60 44 89 336 105 28.9 10.2 0.980	15		 	 -	 		 	- 31	74	30.0	4.30	N ₁		
32 39 77 188 56.6 9.27 0.450 17 33 40 79 320 110 28.5 4.31 0.100 18 35 80 0.255 35 41 81 480 173 47.3 13.9 0.890 19 37 82 M 38 42 83 501 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 89 336 105 28.9 10.2 0.980		30						38	75	102	19.7	1.88	0.045	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	16		ļ	ļ							60.0	0.05	0.450	
34 40 79 320 110 28.5 4.31 0.100 18 35 80 0.255 35 41 81 480 173 47.3 13.9 0.890 19 37 82 M 20 39 42 83 581 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 5.60 44 88 5.60 44 89 336 105 28.9 10.2 0.980	17	32	∦	 	 -	 	ļ	39	77	188_	56.6	9.27_	0.450	
18 35 80 0.255 36 41 81 480 173 47.3 13.9 0.890 19 37 82 M 38 42 83 501 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 5.60 44 88 5.60 44 89 336 105 28.9 10.2 0.980			} -	 	 -	 	 	40		320	110	28.5	4.31	0.100
38 42 83 581 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 5.60 45 89 336 105 28.9 10.2 0.980	18	35							80					0.255
38 42 83 581 275 77.5 22.0 8.09 20 39 84 14.2 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 5.60 45 89 336 105 28.9 10.2 0.980	<u></u>	35			ļ	ļ	ļ	41	81	480	173	47.3	13.9	0.890
20 39 40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 87 470 231 85.9 35.2 14.6 45 89 336 105 28.9 10.2 0.980	19	1 37 7 H	<u> </u>	 	 	 	 -	42	82	501	275	77.5	22.0	
40 43 85 561 306 120 41.1 20.2 21 41 86 21.8 42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 45 89 336 105 28.9 10.2 0.980	20		 	 	 	 	 			301	413	11.5	24.0	
42 44 87 470 231 85.9 35.2 14.6 22 43 88 5.60 44 45 89 336 105 28.9 10.2 0.980		40						43	85	561	306	120	41.1	20.2
22 43 44 88 45 89 336 105 28.9 10.2 0.980	21		\		L	ļ	L							
45 89 336 105 28.9 10.2 0.980	122		∦	 -	ł <i></i>	 		44		470	231	85.9	35,2	
	122		∦	 	├	 	 -	45		336	105	28 9	10 2	0.980
	23			†	 	1		1	90	- 000	1	=0.0	20,2	

Table 5.2 (Continued)

DATE 30 August 1956 TIME 0230-0240 CST

CONCENTRATION (mg m⁻³)

	The state of the concentration of the state						ı		1				
POST	r no.		A	RC			POST	NO.	ARC				
Sr	E		g	8	E	Æ	25	E	_	E	E	E	E
Inner Arcs	800m arc	50m	100m	200m	400m	800га	Inner Arcs	800m arc	50m	100m	200m	400m	800m
ı		!					1 7			}			
46	91 92	146	23.4	4.45	0.935		69	136 137		 			
47	93	57.0	3,60	0.220	0.015			138					
	94						70_	139					
48	95	14.6	0.355	0.020)	71	140			 		
49	96 97	3,11					71	141 142		<u> </u>			
10	98	3.11	/				72	143					
50	99	0.390						144					
	100	ļ					73	145		ļ			
51	101	 	}				74	146 147			} -		
52	103							148			1		
	104				ا د مصور سد		75	149					
53	105					,		150					
E 4	106						76	151 152		}	 		
54	107						77	153	ļ <u></u>	 	 		
55	109	 -						154		-	1		
	110						78	155					
56	111							156					
57	112	- 					79	1 <u>57</u> 158		}			
31	113	 					80	159		} 	 		
58	115							160		ļ			
	116						81	161					
59	117							162					
	118	 					82	163 164		 	 		
60	119 120	 					83	165		·	 		
61	121	;	"					166		ļ	 		
	122		,			•	84	167	l				
62	123		i i			· ·	ĺ .	168	<u> </u>				
	124	ii Ir	,				85	169					
63	125 126	F 1	!			•	86	170 171		 	 		
64	127			;	!	!	. 00	172		 	 		
	128		!				87	173		İ	11		
65	129							174					
J	130			,			88	175		ļ	 		
66	131 132						89	176 177		ļ	 		
67	133							178			 		
	134				•		90	179					
68	135			. 1	,			160		ļ			
l	.Ì.	11	l !				[] 91	181	!	!	11		

Table 5.3

Ten-minute average gas concentrations measured along the vertical during Project Prairie Grass; entries are in units of mg m⁻³. Samplers were located at nine levels on each of six towers positioned along the 100-m arc of the horizontal sampling network. Individual towers were located equidistant between the pairs of fence posts listed below:

TOWER NO.	POST NOS.
1 2 3 4	28-29
-	35-36
$\bar{3}$	42-43
3 4	49-50
_	56-57
6	63-64

Remarks

The vertical sampling network was first placed in operation during Run No. 13 on 22 July 1956. No data are available for Runs No. 23, 28, 35, 53, 63, and 64. All towers were outside the time-mean plume during Runs No. 23, 35, and 53. The letter "M" indicates missing data, and blank spaces in the table signify no measurable concentration. The value of the concentration at the 0.5-m level on Tower No. 4 for Run No. 13 was estimated.

Table 5.3 (Continued)
CONCENTRATION (ing m-3)

Height					Run No				
(m) +	13	14	15	16	17	18_	19	20	21
17.5							0.250_		
13.5							1.43		
10.5					1		2.42		
7.5							3.09		
4.5							3.80		
									
_									
							1.01		
17.5		+		0.025			3 12	0.130	
	 +								
									
								7 50	
4.5									
1.0									
0.5		29.6		0.050		↓	41.9	13.3	
		A 400	0.005	0.05	0.000		1 05	1 AAA	0.090
		0.280							0.720
		0.330				0.35			4.29 15.3
									42.9
2.5									70.8
1.5	3.18			28.5					83.7
1.0	42.9	237		29.6					90.5
0.5	61.8	297	0.400	29.0	132	6.02	56.7	47.7	96.3
 _						0.005	0.7230		
					- 2 - 1 -				
									X A A A
				15.9		2.76	0.215		0.080
		0.090							0.255
									0.585
									0.835
1.5									1.05
1.0	675	2.42	10.8						1.18
0.5	2200*	2.67	10.8	23.6	3.56	155	1.53	17.1	1.29
				, , ,				1	
17.5		0.070							,
13.5	L		11.8	2.73					
10.5			19.2	3.81					
			30.2	7.37					
		0.100	58.8				T		!
	1.14							1	
							I		ĺ
							• · - ·	† -	
U. J	100	6.40					†	†·	• ·
178		0 145	4 A7	1 52		· ·	ļ —	• • • • • • • • • • • • • • • • • • • •	•
						t	1	·	ļ
	 			,			 -	 	•
	 -	ַ ערהיה ו			 -	 -		 	 -
	 -				·		 		ļ
		11. 4.00						 -	
		0.100				·		ļ	
1.5			36.3	13.7	• •	<u> </u>	ł		1 ··
		0.085	38.9	13.4	1	1	1	i	1
1.0		0.000			1	I	Ţ	1	I
0.5		0.000	42.2	14.5			Ĭ	-	ļ
	(m) 17,5 13.5 10.5 7.5 4.5 2.5 1.0 0.5 17.5 1.3.5 10.5 7.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.5 1.0 0.5 17.5 1.0 0.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	(m) 13 17,5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 1.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 2.5 1.5 1.5 1.0 0.5 17.5 13.5 10.5 7.5 4.5 2.5 2.5 1.5 1.5 10.5 7.5 4.5 2.5 2.5 1.14 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	(m) 13 14 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.0 0.5 17.5 13.5 10.5 7.5 4.5 10.5 7.5 4.5 2.5 1.5 10.5 7.5 4.5 2.5 1.5 1.0 2.8.5 1.0 1.0 2.8.5 0.5 2.9.6 17.5 0.280 13.5 10.5 0.5 29.6 17.5 4.5 2.22 2.5 76.2 1.5 3.18 174 1.0 42.9 237 0.5 61.8 297 17.5 13.5 1.46 10.5 7.5 0.090 4.5 10.5 0.095 7.5 0.090 4.5 10.5 10.6 10.5 10.6 10.5 10.7 10.6 10.5 10.6 10.5 10.7 10.6 10.5 10.7 10.6 10.5 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.5 10.6 10.6 10.6 10.6 10.6 10.6 10.6 10.6	(m) 13 14 15 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 10.5 17.5 13.5 10.5 17.5 13.5 10.5 17.5 13.5 10.5 17.5 13.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	(m) 13 14 15 16 17.5 13.5 10.5 7.5 4.5 2.5 1.5 1.0 0.5 17.5 13.5 1.0 0.5 17.5 13.5 10.5 10.5 10.5 10.6 17.5 10.6 17.5 10.7 10.7 10.8 10.8 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	(m) 13 14 15 16 17 17.5 13.5 10.5 7.5 4.5 4.5 2.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.5 17.5 1.0 0.05 17.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	(m) 13 14 15 16 17 18 17 17 18 175 175 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.	(m) 13 14 15 16 17 18 19 17 17 18 19 17 17 18 19 17 17 18 19 17 17 18 19 17 17 18 19 17 17 18 19 17 18 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	(m) 13 14 15 16 17 18 18 20 20 17.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10

Table 5.3 (Continued) CONCENTRATION (mg m-3)

Tower	Height					Run No				
No.	(m)	22	24	25	26	27	29	30	31	32
1	17.5		0.110	0.195						
	13.5		_1.00	0,650						
	10.5		3.71	0.230						
	7.5		10.7	0.630						
	4.5		25.8	0.565						
	2.5		38.9	0.525						
	1.5		44.3	0.970						
	1.0		47.4	1.06						
	0.5		50.1	0.365						
			!							
2	17.5	0.040		6.51	0.015	0.005				
	13.5	0.080		5.61	0.035	0.150				
	10.5	0.130		11.5	0.065	0.225				
	7.5	0.225		15.5	0.170	0.370				
	4.5	0.325	 	17.9	0.130	0.980				
	2.5	0.215	 -							A 150
		0.215	 	20.3	0.035	3.92				0.150
	1.5		 	20.7	0.035	5.37				0.190
	1.0	0.175	 	20.3	0.025	5.96				0,20
	0.5	0.150		19.8	0.015	6.56				0,12
3	17.5	0.200	 	10.4	1.20	1.88		1.09		
J			·							
	13.5	1.33	 	14.0	3,24	4.40		2.22		
	10.5	4.31	 	21.3	6.20	7.05		3.56		
	7.5	12.6	├	24.2	7.85	16.8		5.16		0.37
	4.5	33.6		28,2	15.3	30.9		7,99		38.1
	2.5	60.8		29,6	22.2	44.6		<u>.u.6</u>		330
	1.5	76.8	l i	28,7	25.2	54.6		_10.4		851
	1.0	81.8		30.5	27.0	60.6		10,6		830
	0.5	86.9		31.4	29.1	64.5		10.9		951
4	17.5	 -	 	3.38	0.920	1.33		1.16		
•	13.5	 	·	6.35	2.39	M		2.34		
	10.5	 	 -	7.94	3.54	M		4.17		
	7.5	}				12.8		7.11		
		-		8.90	10.2					
	4.5	·		9.32	22.4	25.8		15.0		
	2.5	√ -		15.9	35.6	39,3		23.1		
	1.5	ļ . 		19,1	44.1	44.7		29.3		0.05
	1.0		-	20.4	46,5	47,4		32.4		0.20
	0.5		i	23.0	50.4	49.4	! 1	35,6		7.02
5	17.5	·		1.64	0.400	0.145	<u> </u>	1.36		
-	13,5		1	2.30	1.16	M	i	2.22		I —
	10.5		!	2.01	1.94	M	0.120	6.11		
	7.5			7.38	4.37	2.34	1.07		0.150	
	4.5	i ·	1	9.74	7.59	2.55	5.36	28.5	0.705	
	2.5	· · · · · · ·	İ	13.0	11.7	2.55	9.89	39.2	2.90	- -
		 	· - · -		15.5	2.84	11.9	46.4	4.64	
	1.5	 		13.4			12.8	48.6	5.25	
	1.0	 -	. . 	12.8	17.1	2,86		1 49.5	4.91	·
	0.5	į		12.6	19.1	3.12	12.2	10.0	7.01	ļ
0	17.5	·	-	2.00	0.115	: :	M		1.91	
v	13.5	 -	 	4.04	0.045	,	M	0,095	4.58	†
	10.5	· 	· · · ·	5.69	0.040	†	M	0.110	8.19	
	7.5					;	M	0.895	13.8	
			1	8 15	0.695	i	,	2.72		
	4.5		1	13.4	1.45	:	M 57.6	4.43	21.5 32.7	
	2.5		İ	20.1	2.51	1	57.6		22.6	ļ
	1.5		1	29.3	2.85	1	67.7	5.64	33.8	
	1.0	1	1	30.6	3.20	i	68.9	7.11	35.7	ļ.,
	0.5			34 1						

Table 5.3 (Continued) CONCENTRATION (mg m⁻³)

ower	Height					Run No),			
No.	(m)	33	34	35S	36	37	38	39	40	41
1	17.5		1.59							
	13.5		2.40	0.070				0,335		
	10.5		5.88	1.04				1.76		
	7.5		17.4	3.92				8.91		
	4.5		38,1	16.8				28.2		
	2.5		59.3	30.2				11.3		
	1.5		68.7	36.2			 1	61.8		
	1.0		73.2	38.7				67.1		
	0.5		78.6	41.3				66.3		
			 							
2	17.5		0.085				-			
_	13.5	0.045	0.730				0.035			
	10.5	0.175	2.60				0.180			
	7.5	0.310	4.38		0.590		0.815			
	4.5	0.530	6.98		54.8		2.15			
	2.5	1.50	8.10		296		2.13			
			0.10				2.13			
	1.5	1.67	8.78		492					
	1.0	1.70	9.08		584		2.36			
	0.5	1.19	8.94		660		2.43			
	17.5	0.005					0.055		0.005	
3	17.5	0.295	 				0.055		0.005	
	13.5	1.10				0.245	0.580		0.150	
	10.5	2.00	ļ			0.315	2.55		1.88	
	7.5	5.19		- 	·	0.880	8.99		12.7	
	4.5	8.36	ļ			1.94	29.1		38,1	
	2.5	13,3				2.96	49.7		67.7	
	1.5	16.5				3.18	58.1		86.0	
	1.0	18.9				3.18	61.8		95.1	
	0.5	20.0	l			3.27	61.4		104	
	<u> </u>	ļ	¦	 						
4	17.5	0.710		!	l. <u></u> :	0.180			 	
	13.5	2.58		i		0.710			<u> </u>	<u> </u>
		6.81				3.53			0.610	
	7.5	15.9.		l		13.0			4.65	0.02
	4.5	35.3				35.4			22.4	0.42
	2.5	56.1			1	57.2			47.4	0.51
	1.5	64.7		1	I	64.8			59.9	0.78
	1.0	69.0	į	1]	71.9			65.4	0.66
	0.5	73.2	1	i	ĺ	75.6			68.3	0.76
				1	1 1				1	Ī
-5	17.5	1	1						I	Ι
	13.5	1		[1			1]
	10.5	0.045	I]	[1	0.58
	7.5	0.195	1]					3.45
	4.5	0.260	<u>†</u> -	1	1	0.065				17.1
	2.5	0.350	1	- '		0.110	ļ· ·		1	31.5
	1.5	0.250	 		·	0.110	-		† 	36,3
	1.0	0.200	1		1	0.070			1	36.5
	0.5	0.190	-		1	0.075			ļ	36.€
	Y2	1	į -		1			· ·- ·		1
6	17 F	·	·	†- · -		······	· ·		†	† - -
U	17.5	-	1	· · · · ·			·		·	1
	13.5	ļ - · - · ·	į · ·	·		· · ·			· ·	†
	10.5	:	1			†	ł			ļ
		:	į	1		+	ļ	ļ · -		
	4.5	į	ļ -				Ì			·
	2.5	!	1	ļ	1	į	ļ -	ļ		1
	1.5	1.		1						1
	1.0	!	1	1	;	1		ļ	1	
	0.5	1		1	!	1	1	ı	1	1

Table 5.3 (Continued) CONCENTRATION (mg m⁻³)

lower	Height					Run No	···			
No.	(m)	42	43	44	45	46	47	485	48	49
1	17.5		0.630	1.01		0.135				
•	13.5		2,42	3.54	0.340	0,180				
	10.5		3.95	7.08	0.440	0.730				
	7.5		5.04	13.1	0.670	3.66				
	4.5		5.87	17.6	1.91	12.6				
	2.5		6.05	22.5	1.58	24.2				
	1.5		5.97	25.1	1.44	32.1				
	1.0		6.29	27.2	1.45	37.7				
	0.5		6.57	29.7	1.64	41.0				
2	100			0.000				0.050		
4	17.5		2.27	0.600	0.135			0.950		
	13.5		5.49	3.03	1.32			0,740		
	10.5	<u> </u>	8.85	6.02	4.50			1.27		
	7.5		13.8	11.6	14.0			1.91		
	4.5		17.0	24.2	41.3	0.020		2.00		
	2.5		18.3	36.0	75.5	0.035		2.37		
	1.5		19.5	43.2	96.9	0.045		2.42		
	1.0		21.2	48.2	107	0.035		2.46		
	0.5		21.5	48.5	113	0.060		2.13		
	J-0.5	 	-21.5	40.0	113	0.000		4. 1.1		
3	17.5		2.88	1.37	0.355			7.50		0.020
•	13.5	 	6.38	1.89	0.835			9.05		0.055
	10.5	 	11.4	4.71	1.50	···		9.71		0.040
	7.5	 	19.5	8.27	4.67			11.8		0.345
		ļ								1.10
	4.5	 	38.3	12.7	12.5			11.4		
	2.5	 	51.9	14.7	19.7			11.8		2,96
	1.5	l	54.6	15.0	24.2	<u>.</u>		10.7		3,99
	1.0	İ	57.8	14.9	26.0			10.9		4.88
	0.5		60.6	14.6	27.0			11.3		5.07
	.I		i .	ì			! 			
4	17.5		0.150	0.160	İ			3.35		0,630
	13.5	i	0.930	0.320	[i		4.01		1.71
	10.5	1	2.49	0.270	1		†	4,59		4.85
	7.5	1	4.61	0.070				3.75		9.42
	4.5		12.8	0.015	1			4.41	† · · · ·	17.6
	2.5	·	19.2	0.020		ł	j -	3.83		21.8
	1.5		23.0			•••	i	3,36	 	24.3
		ļ		0.035	ł		. .		·	
	1.0		24.2	0.015	1	į .		3,24	!	25.1
	0.5	<u> </u>	25.1	0.050	1		<u> </u> 	3.24		24.8
	 -			i					0.000	2.00
5	17.5			ļ. <u>.</u>	}		! •	5.42_	0.070	0.580
	13.5	0.185	1 .		1	,		4.95	0.750	1.70
	10.5	1.32	1			}	1	5.42	1.74	5.21
	7.5	3.08		,	i	1		6.36	4.76	15.2
	4.5	8.28]	1	1]]	6.18	7.10	38.9
	2.5	12.9	1		:	i ·	-	8.73	9.15	50.4
	1.5	15.5	1	1		1		8.43	10.6	66.3
	1.0	15.9	1	1	!	ļ ·	· · · · ·	8.31	10.8	68.6
			· i	1	1	į	i	8.69	11.3	73.1
	0.5	16.4	İ	ļ	1		:	. 0,00	↓ 11.4.	- <u> </u>
		1 8 800	[†	i	:	i	i marie	1	0.880_	1.22
		0.050	•	:	•	1	0,005	6.32		
6	17.5		:		:	1	0.375	6.65	5.09	1.74
6	13.5	0.345		_	i		, 0,460	6.4!	10.5	2.72_
6	13.5	1.86	i				6 .10.0	0.00	25,1	5.21
Ğ	13.5	1.86	1	•	i		= 0.665	6,56	1 .4 %,4	
Ğ	13.5 10.5 -7.5	1.86 7,13	+		ŀ	i !	$\frac{0.003}{1.0.530}$			7.80
G	13.5 10.5 7.5 4.5	1.86 7,13 18,9	†	:	1	! !	0,530	4.19	43.8	7.80
G	13.5 10.5 -7.5 -4.5 -2.5	1.86 7.13 18.9 32.9	-	· · · · · · · · · · · · · · · · · · ·	1		0,530	4.19	43.8	7.80
G	13.5 10.5 7.5 4.5 2.5 1.5	1.86 7.13 18.9 32.9	-			· :	0,530 0.155 0.250	4.19 5.18 5.70	43.8 59.7 66.6	7.80 11.6 12.8
<u>-</u> G	13.5 10.5 -7.5 -4.5 -2.5 1.5	1.86 7.13 18.9 32.9 37.4 39.5	-	• • • • • • • • • • • • • • • • • • • •		: !	0,530 0.155 0.250 0.440	4.19 5.18 5.70 6.06	43.8 59.7 66.6 69.5	7.80 11.6 12.8 14.0
6	13.5 10.5 7.5 4.5 2.5 1.5	1.86 7.13 18.9 32.9	-		1	: : : :	0,530 0.155 0.250	4.19 5.18 5.70	43.8 59.7 66.6	7.80 11.6 12.8

Table 5.3 (Continued) CONCENTRATION (mg m-3)

Tower	Height					Run N	0.			
No.	(m)	50	51	52	54	55	56	57	58	59
1	17,5			6.29						
	13.5			10,9		0,025	0.250			
	10.5			15.2	0.125	0.335	1.28			
	7.5			17.9	0.945	1.14	6.09			
	4.5			22.1	2.84	2.40	13.8			
	2.5			25.2	6.78	3.29	16.2			
	1.5			24.9	6.63	3.26	26.3			
	1.0			25.5	7.10	3.30	26.9			
	0.5	T	i	24.3	7.10	3.00	27.3			
2	17.5			1.10		0.200	0.030			
	13,5			1.58		1.07	0.160			
	10,5			1.64		3.86	1.43			
	7.5			4.50		10.4	5.24			
	4.5			5.28		26.0	12.5			
	2.5	 	†——·	5.54		44.4	19.7			
	1.5	 	 	3.48		54.0	23.1			
	1.0		 -	3.48		58.4	23.7			
	0.5	 	 	4.55		60.5	20.7			
			·			५५				
3	17.5		†	1						
•	13.5	1	<u> </u>	†		- 				
	10.5	 	 	 						
	7.5		 	†						1.40
	4.5	 	1	†					0.225	47.6
	2.5	† 	 	··-			. –		0.500	239
	1.5	 	 	 					0.420	399
	1.0	†							0.295	485
į	0.5		 	-					0.235	546
	<u> </u>	··	 						0.235	340
4	17.5		 	 		 .		0.105		
4	13.5	 		ļ				0,175		
		 		ļ				1.62 3.56		
	10,5 7.5	{ · · · —		 				3.50	ļ	
								6.81		
	4.5	 		- 				14.6.	0.355_	
	2.5		ļ 					21.5	5.81	
	1.5	ļ <u> </u>		 				27.6	13.3	
	1.0							31.1	17.4	
	0.5		 -	ļ <u>.</u>			ļ	32.7	20.0	
			·				ļ ļ		ļ <u></u>	
5	17.5	0.940						0.795		\
	13.5	2.81		· -			<u> </u>	2.33		
	10.5	5.66	 					6.27	l	
	7.5	8.70	 					15.0	ļ. — —	
	4.5	13.4	ļ	-				35.6	ļ	
	2.5	18.3	 .					55.5		İ
	1.5	20.7	L	l] • · • · · · · · · · · · · · · · · · · ·	67.1	ļ	
	1.0	20.9	ļ	1				69.3		
	0.5	21.3	J	İ			!	72.6	l	
				l]		1	_
6	17.5	0.700		T	[0.055	1	
	13.5	2.13	i -]	j	!	0.455	i	
	10.5	6.39	0.320				:	0.690	1	
	7.5	15.2	0.805	,			:	1.76		
	4.5	29.1	2.27	<u></u>	i		, I	3.12		
	2.5	41.1	2.66	1	† ·	i		7.16	····	
		46.4	2.78		j -	•	1	8.19	· · · · · ·	
	1 5	1 44 f) L					1			 · ·
	1.5			· • - · · - · ·	1		i	8.70		i
	1.0	49.1	2.75				}	8.70		
								8.70 9.18		

Table 5.3 (Continued)
CONCENTRATION (mg m-3)

No. (ni) 60 61 62 65 86 67 68 1 17.5 13.5	Tower	Height					Run No	0.			
1 17.5			60	61	62	65			68		
13.5		17.5						 '			
10.5											
T.5	1										
4.5	1	7 5									
1.5							0.005				
1.5	}										
1.0	1	2.5 -	L				0,230				
0.5	j		·				0.185			·	
17.5 13.5 10.6 10.6 10.390 10.5 10.6 10.6 10.390 10.5 10.6 10.6 10.390 10.5 10.5 10.6 10.8 10.6 10.300 10.5 10.5 10.5 10.6 10.8 10.6 10.8	1						0,225				
13.5 10.5 7.5 2.04 0.115 1.5 1.5 1.5 1.06 0.390 1.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 0.5 0.025 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.025 0.000 0.05 0.025 0.000 0.05 0.025 0.000 0.05 0.000 0.05 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000	i	0.5					0,210				
13.5 10.5 7.5 2.04 0.115 1.5 1.5 1.5 1.06 0.390 1.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 1.18 0.330 0.5 1.0 0.5 0.025 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.020 0.05 0.025 0.000 0.05 0.025 0.000 0.05 0.025 0.000 0.05 0.000 0.05 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000 0.005 0.000		ll									
10.5	2	17.5									
7.5	}										
4.5	1										
4.5	l	7.5					2.04		0.115		
2.5	1	4.5									
1.5	1		·				76.5		0.400		
1.0	1									 -	
17.5	į										
17.5	}						110		0.330		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	İ	U. 3	}				110		U.415		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	17.5	 		<u> </u>					 -	
10.5	3	11.0	 	0.005		0.000			0.000		
7.5 0.300 20.4 3.21 0.120 7.23 4.5 0.250 64.2 30.0 0.275 71.7 22.5 0.070 120 73.5 0.805 200 1.5 0.045 145 93.9 0.865 281 1.0 0.065 158 100 0.955 330 0.070 164 103 1.17 362 <t< td=""><td></td><td>10.5</td><td></td><td>0.085</td><td></td><td></td><td>0.000</td><td></td><td>0,020</td><td></td><td></td></t<>		10.5		0.085			0.000		0,020		
4.5	1	10.5		0.205					0.220		
2.5			ļ				3.21	0.120			<u> </u>
1.5		4.5									
1.0	1	2.5		0.070		120	73.5				
17.5	1	1.5					93.9	0.865	281		
17.5	1	1.0		0.065		158	100	0.955	330		
4 17.5 0.020 1.62 0.090 0.400 10.5 0.065 4.37 0.080 3.50 0.75 0.385 9.29 0.170 16.7 0.745		0.5		0.070		164	103		362		
13.5	1		·								
13.5	4	175		0.245				0.025			
10.5	1		0.020	1 82	•- •	· · · · ·	**			i ·	
T.5	1		0.020	1.02	0.090			3.50		 	
2.5			7.005	44.91				3.30			
2.5	1	1-1-2	0.200.	150	0.170			1 - 10		ļ	l
1.5 0.985 23.7 120 1.0 0.940 23.4 129 0.5 0.785 23.7 143 5 17.5 0.005 0.165 2.09 13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 15.5 61.8	1	9.5	0.300	13.5	0.143			33.1			
0.5 0.785 23.7 143 17.5 0.005 0.165 2.09 13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.89 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 15.5 61.8	1	2.5						92.7		<u> </u>	L
0.5 0.785 23.7 143 17.5 0.005 0.165 2.09 13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.89 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 15.5 61.8	i	1.5	0.985					120			
5 17.5 0.005 0.165 2.09 13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	1	1.0							 	L	
5 17.5 0.005 0.165 2.09 13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8		0.5	0.785	23.7				143	l	[]
13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	1		1	l					1		
13.5 0.480 0.705 4.83 10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	5	17.5	0.005	0.165	2.09			1			į. <u> </u>
10.5 1.97 2.69 9.53 7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	j	13.5	0.480	0.705	4.83]			
7.5 8.00 8.63 15.6 4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	i	10.5	1.97	2.69	9.53		- •]	i		
4.5 23.0 25.2 21.8 2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	1		8.00							1	
2.5 38.3 42.8 50.1 1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	1					j			·		
1.5 47.4 54.0 60.9 1.0 49.7 59.3 67.7 0.5 50.7 M 71.9 6 17.5 0.070 5.46 13.5 0.200 8.69 10.5 0.950 14.6 7.5 2.16 21.0 4.5 7.61 37.5 2.5 13.5 57.6 1.5 14.7 61.8 1.0 45.5 61.8	i						<u>- </u>				
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<u> </u>	1	0.5		17.0	63.0		-		·	 -	
			L	i	<u>.</u>	1	J	1	. ـ ما مدا ال	1	L

Table 5.4. Correction factors by which concentration data presented in Tables 5.2 and 5.3 should be multiplied to compensate for evaporational loss of impinger solution during aspiration. Tower data corrections are the same as those for the 100-m arc. Blank spaces signify missing data.

			ARC (m)		
RUN NO.	50	100	200	400	800
1 2 3 4 5 6 7 8 9	0.97	0.96	0.90	0.93	0.96
2			0.92	0.93	0.96
3	0.99	1.00	0.99	0.98	1.00
4 5	0.98	0.99	0.98	0.99	1.00
e E	0.93 0.93	0.93	0.90	0.91	0.91
7	0.95	0.93 0.93	0.90	0.89	0.92
Ŕ	0.94	0.93	0.91 0.90	0.90 0.89	0.92
ğ	0.93	0.94	0.92	0.93	0.92 0.93
10	0.95	0.94	0.92	0.93	0.93
11	0.96	0.96	0.95	0.95	0.95
12	0.95	0.95	0.93	0.93	0.92
13	0.97	0.97	0.95	0.95	0.95
14	0.99	0.99	0.97	0.97	0.98
15	0.94	0.96	0.95	0.95	0.96
16	0.96	0.96	0.94	0.94	0.95
17	0.95	0.95	0.93	0.92	0.93
18	0.98	0.97	0.97	0.95	0.97
19	0.93	0.93	0.91	0.90	0.91
20 21	0.92	0.93	0.89	0.88	0.89
22	0.98	0.97	0.94	0.95	0.93
23	0.99 0.95	0.98 0.94	0.95	0.96	0.94
24	0.94	0.95	0.93 0.94	0.93 0.93	0.94
25	0.94	0.94	0.94	0.93	0.94 0.94
26	0.95	0.95	0.93	0.93	0.93
27	0.94	0.94	0.92	0.92	0.92
28	0.99	1.00	0.97	0.98	0.97
29	0.97	0.98	0.97	0.97	0.97
30					0.0.
31					
32	0.97	0.93	0.93	0.92	0.93
33	0.94	0.94	0.93	0.93	0.93
34	0.93	0.93	0.89	0.91	0.91
35 35	0.94	0.94	0.94	0.94	0.94
35S	0.96	0.98	0.98	0.97	0.98
36 37	0.96 0.99	0.96	0.95	0.94	0.96
31 38	0.98	0.99 0.99	0.97 0.98	0.98	0.98
39	0.94	0.95	0.98	0.98 0.93	0.98 0.95
• •	0.07	0.00	0.33	0.33	0.90

Table 5.4 (Continued)

			ARC (m)		
RUN NO.	50	100	200	400	800
40	0.96	0.98	0.96	0.94	0.94
41	0.97	0.97	0.96	0.95	0.96
42	0.96	0.97	0.96	0.97	0.97
43	0.91	0.90	0.87	0.87	0.87
44	0.91	0.92	0.87	0.85	0.88
45	0.92	0.92	0.88	0.87	0.88
46	0.92	0.93	0.92	0.92	0.92
47	0.93	0.94	0.93	0.93	0.93
48	0.96	0.96	0.95	0.96	0.96
48S	0.93	0.94	0.92	0.93	0.88
49	0.97	0.95	0.94	0.93	0.94
50	0.92	0.93	0.93	0.92	0.92
51	0.96	0.95	0.92	0.91 0.89	0.90 0.90
52 50	0.93	0.93	0.90 0.96	0.85	0.96
53 54	0.99	0.97 0.96	0.96	0.93	0.97
54	0.98	0.96	0.96	0.95	0.96
55 56	0. 9 5 0. 9 9	0.98	0.98	0.98	0.97
56 57	0.99	0.98	0.88	0.88	0.88
57 59	0.95	0.96	0.93	0.93	0.91
58 59	0.97	0.97	0.93	0.93	0.92
60	0.95	0.94	0.93	0.92	0.93
61	0.89	0.92	0.88	0.88	0.92
62	0.08	0.91	0.87	0.88	0.96
63		0.51	0.01	0.00	0.00
64					
65	0.94	0.95	0.93	0.93	
66	0.94	0.98	0.97	0.94	0.95
67	0.97	0.97	0.95	0.95	2.30
68	0.96	0.97	0.96	0.96	0.94

CHAPTER 6

SLOW-RESPONSE METEOROLOGICAL OBSERVATIONS DURING PROJECT PRAIRIE GRASS

H. E. Cramer, F. A. Record, and H. C. Vaughan Massachusetts Institute of Technology

6.1 Introduction

During the Project Prairie Grass diffusion experiments, mean wind speed and fluctuations in azimuth wind direction were measured at a height of 2 m above the ground at two locations. Closely-matched cup anemometers of conventional design were used to obtain wind speed data; fluctuations in wind direction were measured by means of airfoil-type vanes (subsequently replaced by flat-plate vanes). One pair of these instruments was installed along the base line of the sulfur-dioxide sampling network; the cup anemometer was mounted on a wood post set in the ground at a point 25 m directly west of the release-point for the tracer; the azimuth vane and recorder were similarly located directly east of the release-point. The second pair of instruments was located about 450 m north (downwind) of the release-point and approximately 30 m directly west of the center line of the horizontal sampling network; the lateral separation between the two posts supporting the instruments was about 10 meters. The recorder was mounted on a panel, located on the center line of the sampling network at 450 m, with the manual switches for operating the vacuum-pump motors. The cup anemometer and azimuth vane assemblies are shown in Figures 6.1 and 6.2. The azimuth vane and recorder installed along the base line of the sampling network appear in Figure 6.3. Detailed descriptions of the instrumentation and the treatment of the observations are presented in the remaining sections.

6.2 Description of Instrumentation

The cup anemometers are almost identical with those used previously in the Great Plains Turbulence Field Program. ¹ The cup

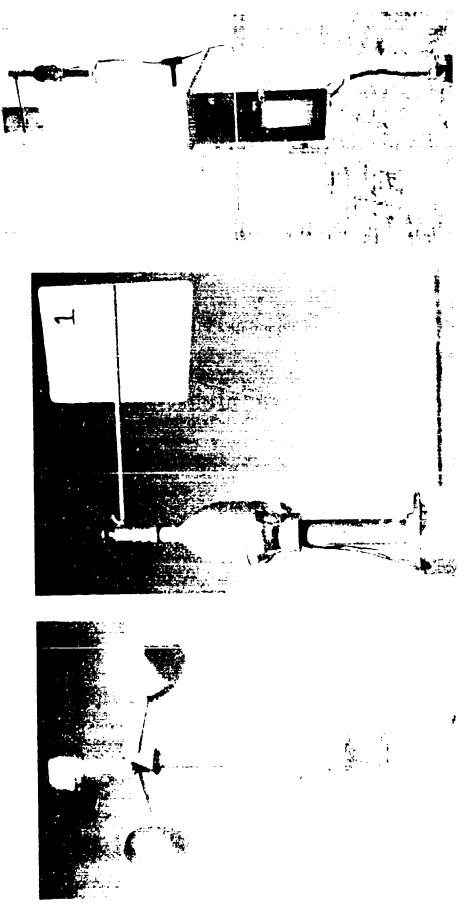


Figure 6.2 Azimuth vane assembly. Figure 6.1 Cup anemometer assembly.

Figure 6.3 Azimuth wind-direction vane and recorder installation along base line of sulfur-dioxide sampling network.

wheels, manufactured by the Electric Speed Indicator Company, are 11.3 inches in diameter and weigh 370 grams. Individual cups are conically shaped and have beaded edges. The anemometer cases, manufactured by the H. J. Green Company, were modified by substituting powdered bronze bearings for the steel bearings and lightweight electrical contacts for the original contact assemblies. The two anemometers used during the Prairie Grass diffusion experiments were selected from a total of eleven similar instruments on the basis of extensive field-matching tests. Results of these tests indicated an average difference in calibration of about 0.25 percent, over a wide range of mean wind speeds, between the two instruments. After the first twenty experiments, the two anemometers were interchanged. Passage of each 1/60-mile of air was recorded on Esterline-Angus chart rolls (Type 4310E) by means of chronograph pens activated by electrical contacts in the bases of the anemometers. The relationship between mean wind speed \overline{V} in m sec⁻¹ and the average number of contacts per minute N is given by

V = 0.538 + 0.507 N.

The wind direction instruments comprised airfoil-type vanes (later replaced by flat-plate types) rigidly connected to 360-degree potentiometers. The latter, purchased from the Technology Instrument Company (Type ST-20), were center-tapped and had an internal resistance of 5000 ohms. Data were recorded on portable Esterline-Angus center-zero milliammeters. Chart speed was set at 12 inches per minute and full-scale deflection represented an azimuth range of 200 degrees. The vanes were oriented so that the center of the recorder chart-rolls corresponded to a true wind direction of 180 degrees, the orientation of the center line of the sulfur-dioxide sampling network. Exact correspondence proved very difficult to achieve. Despite careful adjustments, subsequent data analysis indicates that the 450 m vane tended to read approximately 8 degrees too high; the absolute orientation of the base-line vane appears to be approximately correct.

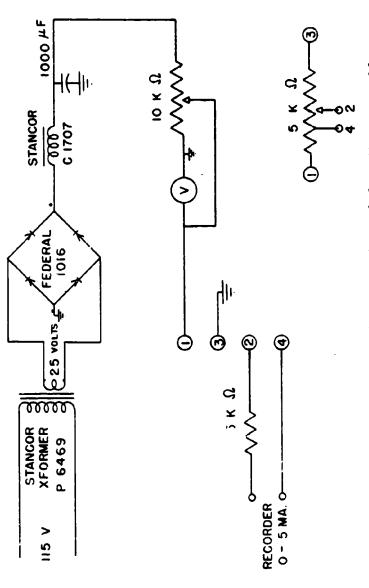
Accessory electrical components included a Raytheon voltage-regulator transformer (Type VR-6111) and a 25-v rectifier power supply adjustable for any desired output within 14 to 25 volts. Critical damping was provided by a 1,250-ohm resistor in series with the galvanometer coil of the recorder. To ensure synch onous operation of the wind speed and wind direction instruments, both recorders were activated by a master switch located in the instrument truck at the northern end of the field site. An additional marking pen was used in the base-line recorder to provide information on the rate of release of the tracer. Wiring diagrams for this instrumentation are presented in Figures 6.4 and 6.5.

During the first 34 diffusion experiments, airfoil-type vanes were used to measure fluctuations in azimuth wind direction. These were constructed of balsa wood ribs covered with model airplane fabric. Due to repeated exposure to strong winds and light rain showers, the airfoils became asymmetrical; this deformation introduced an uncertainty of 3 to 6 degrees depending upon the wind speed, in the indicated mean wind direction. After Experiment No. 34 these airfoils were replaced with flat metal plates (see Figure 6.2). At the conclusion of the Prairie Grass field experiments, reduction of the data revealed the response of the potentiometers in the azimuth vanes was not linear over the 200-degree range; this occurred as a result of shunting effects in the galvanometer coils. Calibration curves for each vane assembly were subsequently determined in laboratory tests and these were used in evaluating the data abstracted from the chart rolls.

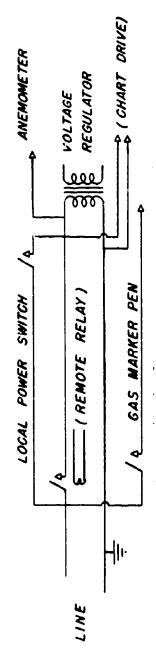
6.3 Data Abstraction and Analysis

■ にんだいがん を買われる かんかん ■■におしていないか

The slow-response meteorological instrumentation was operated for 20-minute sampling periods centered on the midpoint of the 10-minute gas release. Values of mean wind speed, mean wind direction, and standard deviations of wind direction have been calculated both for the 20-minute sampling periods and for the 10-minute periods identified with the release of the tracer. The 10-minute observations at 450 m have been adjusted to correspond as closely as possible to the time that



Wiring diagram for azimuth wind-direction assembly. Figure 6.4



Wiring diagram for remote operation of recorders used in obtaining slow-response meteorological observations. Figure 6.5

the tracer was actually present; this was accomplished by delaying the start of the 10-minute period by $450/\overline{V}$ sec, where \overline{V} is the mean wind speed at the base line in m sec⁻¹. When \overline{V} was less than 1.5 m sec⁻¹, the last 10 minutes of chart record at 450 m were utilized. Mean wind speed values were determined by substituting the average number of pips per minute, obtained from the chart records, in the calibration equation given above. Azimuth wind-direction data were abstracted from the charts at 2.5-sec intervals; these data were then grouped in 2-degree class intervals identified with the angular positions of sampling stations in the first four arcs of the sulfur-dioxide sampling network. The results comprise frequency distributions of azimuth wind direction for both 10- and 20-minute sampling periods.

Mean wind speeds, azimuth wind directions, and standard deviations of azimuth wind direction for both 10- and 20-minute sampling periods are summarized in Table 6.1. Frequency distributions of azimuth wind direction for both 10- and 20-minute periods are presented in Table 6.2. It is felt that the wind speed data are accurate to within 2 to 5 percent for mean wind speeds greater than 2.0 m sec⁻¹: for lower mean wind speeds, particularly during nighttime experiments in the presence of stable thermal stratification, the uncertainty is greatly increased (the starting speed of the anemometers is approximately 0.8 m sec⁻¹). The relative accuracy of the mean wind directions is thought to be of the order of 2 to 5 degrees; the absolute values obtained for wind direction, as noted above, may be in error by 10 degrees. Standard deviations of azimuth wind direction are considered accurate within 10 percent, except in the case of mean wind speeds below 2 m sec⁻¹ where the uncertainty is considerably larger. In about 40 percent of the cases, the 20-minute standard deviation of azimuth wind direction is slightly lower than the 10-minute value; these small differences are not considered statistically significant. For the few cases in which the 20-minute standard deviations are more than 10 percent lower than the 10-minute values, inspection of the original chart records reveals the presence of long-period inhomogeneities in the turbulent structure.

REFERENCE

1. Cramer, H. E., G. C. Gill, and F. A. Record, "Standard Cup Anemometers - Massachusetts Institute of Technology" in "Exploring the Atmosphere's First Mile," Pergamon Press, N. Y., Vol. 1, 145-148, 1957.

Table 6.1

Summary of slow-response meteorological measurements made by the Massachusetts Institute of Technology during the Project Prairie Grass diffusion experiments

Tabular entries comprise mean wind speeds (m sec⁻¹), mean wind directions (degree), and standard deviations of azimuth wind direction (degree); data are based on measurements made at height of 2 m along base line of sulfur-dioxide sampling network and at travel distance of 450 m from the release-point for the tracer. Results are presented for 10- and 20-minute sampling periods. With respect to the measurements made along the base line, the duration of the 10-minute period coincides with that of the gas release. At 450 m, the start of the 10-minute period was delayed by $450/\overline{V}$ sec, as explained in the text. Entries marked with asterisks are estimates based on incomplete records; these are explained below. Blank spaces signify missing data. It appears that the mean wind directions obtained from the 450-m vane are about 8 degrees too large; more reasonable values may be secured by subtracting this amount from each of the tabular entries.

Explanation of incomplete or missing data

Experiment No.	Explanation
1	No wind direction data and no wind speed data for 450 m. First 5 min of record at base line missing; portions of remainder of record on slow speed.
2	No wind direction data available,
3	No slow-response data - light, variable winds.
2 3 6 25	Base-line chart records missing.
2 5	Last 9 1/2 min of chart record missing at 450 m.
2 7	Last 2 1/2 min of chart record missing at 450 m.
2 9	No data available at 450 m.
36	Last 4 min of record missing at base line.
40	First 5 min of wind speed record at 450 m is missing.
48 S	No wind direction data presented - off scale.
5 2	No wind direction data at 450 m - off scale.
58	First 3-1/2 min or record during gas release missing from base-line chart,
63, 64	No slow-response data available - light, variable winds.

Table 6.1 (Continued)

Gas release No.	11	2	3	4	5	6	7
Date	3 July		5 July	6 July			10 July
Time (CST)	1055	1455	2155	0055	1355	1655	1355
Wind speed (m/sec)					_	- ;	
Source (10 min)	2.62*	2.01		1.40	6.47	<u> </u>	4.19
450 m (10 min)		2.57		1.65	5.96	5.86	4.14
Source (20 min)	2 40.	2.14		1.58	6.57	<u> </u>	4.19
450 m (20 min)		2.19	 	1.76	6.45	8.65	4.55
Wind direction (deg)				 -			
Source (10 min)			<u> </u>	216	178		188
450 m (10 min)				223	186	191	194
Source (20 min)				207	176		197
450 m (20 min)				226	184	190	200
Standard deviation of							
wind direction (deg)				ł	١.,		
Source (10 min)				7.4	9.5	<u> </u>	25.6
450 in (10 min)				7.6	9.1	7.1	27.1
Source (20 min)			 -	9.7	11.1		31.7
450 m (20 min)				9.2	9.7	1.1	23.9
Gas release No.	8	9	10	11	12	13	14
Date	10 July	11 July		14 July		22 July	
Time (CST)	1655	0955	1155	U755	0955	1955	2155
Wind speed (m sec)	1000		··· • '		0000	1000	2.00
Source (10 min)	4.85	6.88	4.60	7.03	8.35	1.25	1.91
450 m (10 min)	4.75	7.13	4.65	7.74	8.25	1.81	1.81
Source (20 min)	4.70	6.83	4.52	7.61	8.07	1.37	1.75
450 m (20 min)	4.80	7.13	4.65	7.76	8.14	1.65	1.81
Wind direction (deg)						 -	
Source (10 min)	184	204	225	184	194	190	170
450 m (10 min)	_193	214	214	196	200	206	186
Source (20 min)	176	208	217	185	192	192	172
450 m (20 min)	181	214	217	196	199	206	186
Standard deviation of wind direction (deg)			**********				
Source (10 min)	10.2	10.2	16.8	7.2	7.9	3.2	3.6
450 m (10 min)	0.6	10.2	14.1	6.8	5.1	2.4	3.1
Source (20 mm)	16.3	9.5	18.3	6.9	9.9	5.0	4.3
450 m (20 mm)	10.1	9.1	15.4	6.7	6.9	2.5	5.9

Table 6.1 (Continued)

Gas release No.	15	16	17	18	19	20	21
Date	23 July				25 July		
Time (CST)	U755	0955	1955	2155	1055	1255	2155
Wind speed (m. sec)							
Source (10 min)	3.43	3.23	3.33	3.53	5.81	8.60	6.12
450 m (10 mm)	3.43	3 28	3.48	3.43	5.76	8.35	-5.76
Source (20 mm)	3.25	3.02	3.33	3.45	5.81	8.52	5.53
450 m (20 mm)	3 40	3.12	3.48	3.50	5.79	8.42	5.73
Wind direction (deg)				 -			
Source (10 min)	209	192	184	187	166	178	181
450 m (10 mm)	211	216	188	195	174	184	186
Source (20 min)	209	201	182	189	166	177	179
450 m (20 mm)	212	212	186	196	174	183	185
Standard deviation of				 			
wind direction (deg)	Į i		1			_	1 .
Source (10 mm)	12.8	18.5	5.6	5.3	11.6	8.3	6.6
450 m (10 mm)	11.0	18.9	5.2	1.4.7	10.1	7.9	5.7
Source (20 mm)	12 4	23.4	5.5	5.7	12.4	8.3	6.2
450 m (20 mm)	9.6	18.7	5.4	4.9	9.5	8.2	5.9
Gas release No.	22	23	24	25	26	27	28
Date	25 July	29 July		T Aug.	2 Aug.		
Time (CST)	2355	2055	2255	1255	1135	1355	2355
Wind speed (m, see)			- ====				1
Source (10 min)	C 42	5.01	6.22	2.77	6.77	_6,57	2.62
, ,	6.42		5.70	2.92	6.57	6.57	2.62
450 m (10 mm)	6.78	6.27			6.37		2.77
Source (20 min)	6.67	6.12	5.91	2.90		6.67	
450 m (20 min)	6.82	6.22	5.81	2.91*	6.29	6.39*	2.67
Wind direction (deg)	1.20	100	141	122	100	184	174
Source (10 mm)	176	128	141	177	190	190	$-\frac{119}{183}$
450 m (10 mm)	184	134	150	188*	197	·	174
Source (20 min)	176	128	141	176	186	185	
450 m (20 mm)	184	133 .	150	187*	102	190 •	181
Standard deviation of							
wind direction (deg)		1		04.0	12.0	0.2	
Source (10 min)	5.8	7.3	7.1	24.8	13.2	9.2	6.4
450 m (10 mm)	5.1	5.2	G. <u>2</u>	16.0	10.2	8.6	5.9
	1 6 /		1 0 4	1 71 /	1 17 1		1 6 ()
Source (20 mm) 450 m (20 mm)	1.5.6 4.7	7.2 5.5	6.4	21.4	12.1	$\frac{9.2}{8.5}$	6.0 5.3

Table 6.1 (Continued)

Gas release No.	29	30	31	32_	.33	34	358
Date	3 Aug			6 Aug	7 Aur.		
Time (CST)	0155	1255	1455	1955	1255	1455	2257
Wind speed (m/sec)							
Scurce (10 min)	3.48	6.82	7.33	2.21	8,50	9.00	4.04
450 m (10 min)		6.72	7.43	2.01	H.30	9.26	3.99
Source (20 min)	3.68	6.65	7.64	2.19	7.89	8.30	3.99
450 m (20 min)		6.55	7.76	2.24	7.99	9.36	3 91
Wind direction (deg)							····
Source (10 min)	1 000	100					
450 m (10 min)	220	196	225	171	181	146	_135_
Source (20 min)		209		185	190	161	<u> 15U </u>
450 m (20 min)	222	201	216	170	179	145	136
450 m (20 min)	 	211	221	185	189	156	149
Standard deviation of							
wind direction (deg)	1		ľ	j	ł		
Source (10 min)	8.0	10.3	10.9	3.6	10.5	7.3	5.0
450 m (10 min)		11.5	7.7_	5.8	9.0	8.7	5.4
Source (20 min)	12.7	12.3	14.2	5.4	9.2	7.5	6.4
450 m (20 min)		10.8	10.7	3.4	8.9	9.6	5.9
Gas release No.	35_	36	37	38	39	40	41
Date	11 Aug.		12 Aug.		13 Aug.	14 Aug.	
Time (CST)	2125	2325	0255	0455	2225	0025	0255
Wind speed (m/sec)							
Source (10 min)	1.86	1.86	4.64	4.14	3.12	3.08	4.04
450 m (10 min)	1.75	2.06	4.70	4.49	2.21	2.36	4.19
Source (20 min)	1.86	1.87*	4.57	4.09	3.10	3.15	4.06
450 m (20 min)	1.65	1.88	4.62	4.39	2.46	2.45*	4.09
Wind direction (deg)							
Source (10 min)	132	1 6 <u>0</u>	187	170	140	180	198
450 m (10 min)	105	169	190	175	131	188	201
Source (20 min)	131	158*	186	170	139	179	198
450 m (20 min)	109	167	190	175	133	182	201
Standard deviation of				-·			
wind direction (deg)		3 0	1	e /\	_		EΛ
Source (10 min)	3.3	3.8	7.0	- 5.0	5.8	9.0	5.0
450 m (10 min)	5.1	4.2	7.0	4.6	6.8	10.4	4.5
Source (20 min)	3.6	4.2*	6.8	5.6	8.8	10.5	5.0
450 m (20 min)	7.1	4.4	6.6	4.7	6.7	11.8	4.7

Table 6.1 (Continued)

		14010	() ()				
Gas release No.	42	43	44	45	46	47	488
Date	14 Aug.	15 Aug.				20 Aug.	
Time (CST)	0455	1155	1355	1655	1840	0955	1225
Wind speed (m/sec)							
Source (10 min)	5.81	4.95	5.71	6.12	5.15	3.58	3.38
450 m (10 min)	6.88	5.10	6.01	6.12	5.26	3.58	2.41
Source (20 min)	5.99	4.95	5.71	5.66	5.20	3.45	3.17
450 m (20 min)	6.32	5.05	6.14	5,89	5.38	3.48	2,90
Wind direction (deg)	j	j					
Source (10 min)	212	170	158	163	134	243	
450 m (10 min)	215	179	167	168	133	225	
Source (20 min)	212	170	158	161	134	236	
450 m (20 min)	215	177	161	167	135	235	
Standard deviation of							 -
wind direction (deg)	ا مما	امما	10.7	٠, ١	1	13.9	
Source (10 min)	6.6	12.2	12.7	6.9	7.7 8.2		~
450 m (10 min)	5.9	10.3	14.0	7.2	7.6	12.6	
Source (20 min)	6.6	13.7	13.7	8.2			
450 m (20 min)	5.3	11.7	18.1	8.4	8.6	18.0	
Gas release No.	48	49	50	51	52	53	54
Date	21 Aug.		1000		24 Aug.	TARR	ALLE
Time (CST)	0855	1055	1355	1525	7110	1955	2155
Wind speed (m/sec)	i . }						
Source (10 min)	8.04	6.27	6.57	6.12	4.29	2.51	4.04
450 m (10 min)	8.55	6,67	6.78	6.67	4.75	2.41	4.04
Source (20 min)							
450 m (20 min)	7.94	6.39	6.47	5.96	4.32	2.46	4.11
							4.11
Wind direction (deg)	7.94 8.40	6.39	6.47 6.77	5.96 6.77	4.32	2.46	4.06
Wind direction (deg) Source (10 min)	7.94 8.40	6.39 6.85	6.47 6.77	5.96 6.77 245	4.32	2.46 2.39	140
Wind direction (deg) Source (10 min) 450 m (10 min)	7,94 8,40 214 213	6,39 6,85 199 202	6.47 6.77 215 214	5.96 6.77 245 237	4.32 4.75	2.46 2.39	140 142
Wind direction (deg) Source (10 min) 450 m (10 min) Source (20 min)	7.94 8,40 214 213 212	6.85 6.85 199 202 198	6.47 6.77 215 214 216	5.96 6.77 245 237 244	4.32	132 131 133	140 142 140
Wind direction (deg) Source (10 min) 450 m (10 min)	7,94 8,40 214 213	6,39 6,85 199 202	6.47 6.77 215 214	5.96 6.77 245 237	4.32 4.75	2.46 2.39	140 142
Wind direction (deg) Source (10 min) 450 m (10 min) Source (20 min) 450 m (20 min)	7.94 8,40 214 213 212	6.85 6.85 199 202 198	6.47 6.77 215 214 216	5.96 6.77 245 237 244	4.32 4.75	132 131 133	140 142 140
Wind direction (deg) Source (10 min) 450 m (10 min) Source (20 min)	7.94 8,40 214 213 212	6.39 6.85 199 202 198 201	6.47 6.77 215 214 216 217	5.96 6.77 245 237 244 243	4.32 4.75	2.46 2.39 132 131 133 132	140 142 140 143
Wind direction (deg) Source (10 min) 450 m (10 min) Source (20 min) 450 m (20 min) Standard deviation of wind direction (deg)	7.94 8,40 214 213 212 213 8,1 6.9	6.39 6.85 199 202 198 201	6.47 6.77 215 214 216 217	5.96 6.77 245 237 244 243 10.8 11.4	132 132 129	2.46 2.39 132 131 133 132 3.9 2.5	140 142 140 143 5.9 6.1
Wind direction (deg) Source (10 min) 450 m (10 min) Source (20 min) 450 m (20 min) Standard deviation of wind direction (deg) Source (10 min)	7.94 8,40 214 213 212 213 8,1	6.39 6.85 199 202 198 201	6.47 6.77 215 214 216 217	5.96 6.77 245 237 244 243	4.32 4.75 132 129	2.46 2.39 132 131 133 132	140 142 140 143

Table 6.1 (Continued)

Gas release No.	55	56	57	58	59	60	61
Date	25 Aug.		_			26 Aug.	
Time (CST)	0055	0255	1725	1925	2225	0135	1055
Wind speed (m/sec)				\Box			
Source (10 min)	5.41	4.34	6.67	1.91	2.62	4.90	7.99
450 m (10 min)	5.86	4.75	6.82	2.36	2.67	5.00	7.64
Source (20 min)	5.28	4.44	6.90	1.96*	2.62	4.87	7.64
450 m (20 min)	5.94	4.70	6.98	2.39	2.72	4.87	7.61
Wind direction (deg)							
Source (10 min)	156	153	200	178*	174 _	198	203
450 m (10 min)	162	156	206	185	181	202	204
Source (20 min)	155	152	198	179*	173	199	206
450 m (20 min)	162	154	205	186	180	202	209
Standard deviation of							
wind direction (deg)			٠, ١	1 4.5	5.2	5.9	11.0
Source (10 min)	5.8	6.1	8.0	4.1*	3.6	6.5	9.0
450 m (10 min)	6.0	7.2	7.8	3.3	4.6	5.5	10.9
Source (20 min)	5.5	7.8 8.6	8.2 8.1	3.3	3.5	5.3	9.5
450 m (20 min)		0.0	0.1	3.3	3.5	3.3	
Gas release No.	62		 	65	66	67	68
Date	26 Aug.		-	29 Aug.		30 Aug.	
Time (CST)	1355			1925	2125	0025	0225
Wind speed (m/sec)			-	1			
Source (10 min)	5.15			4.44	3.08	4.34	2.82
450 m (10 min)	5.41			4.44	3.33	4.70	2.77
Source (20 min)	5.00			4.24	3.17	4.42	2.82
450 m (20 min)	5.30			4.37	3.43	4.67	2.95
Wind direction (deg)	+			1.50		105	
Source (10 min)	212		-	178	166	185	174 181
450 m (10 min)	214	 -	ļ	174	171	190	173
Source (20 min)	213		-	173	165	182	173
450 m (20 min)	215	·		177	172	187	179
Standard deviation of wind direction (deg)							·
Source (10 min)	8.8		ļ	5.0	6.9	5.4	5.3
	6.9		 	5.4	5.1	5.2	5.3
450 m (10 min)	9.4		 	5.4	6.4	6.8	6.2
Source (20 min) 450 m (20 min)	$\frac{9.4}{7.6}$		 	4.8	5.0	6.2	5.9
430 m (20 min)	⊥. <u></u>		L	1.0	- 0.0	1	U. B

Table 6.2

Frequency distributions of azimuth wind direction obtained by the Massachusetts Institute of Technology during Project Prairie Grass diffusion experiments

Frequency distributions of azimuth wind direction are based on measurements at height of 2 m along base line of sampling network and at travel distance of 450 meters. Data were read from chart records at intervals of 2.5 seconds; entries are total number of cases occurring within 2-degree class intervals expressed in terms of post numbers for horizontal sampling network. For example, Post No. 1 includes wind directions from 089 to 090 degrees; Post No. 46 includes wind directions from 179 to 180 degrees; Post No. 91 includes wind directions from 269 to 270 degrees. Selection of 10-minute sampling periods is explained in the text. As noted in the text and in the explanatory material for Table 6.1, the 450-m data should probably be shifted about 8 degrees or four post numbers towards lower values. Explanation of incomplete or missing data is presented in Table 6.1.

Explanation of incomplete or missing data Gas Release No.

1,2,3	No wind direction data are available.
6	No wind direction data for the source.
25	No frequency distributions at 450 in - short record.
27	Last $2-1/2$ min of chart record at 450 m is missing.
29	No frequency distributions at 450 m - short record.
36	20-min frequency distribution at source is based on 16 min of record (last 4 min missing).
52	No wind direction data available at 450 m - off scale.

Gas Release No.

THE PERSON AND PRODUCE PRODUCE PROPERTY CONTRACTOR SECTIONS OF THE PROPERTY OF THE PERSON OF THE PER

Wind direction distributions at source are based on 16-1/2 min of record - 3-1/2 min missing at start of gas release.

No frequency distributions presented - light and variable winds.

Table 6.2 (Continued)

DATE 6 July 1956

TIME 0055-0115 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47			1	
2					48				
3					49				
4					50				
5					51			3	
6					52			13	
7	 				53		-	27	
8	 				54			23	
9					55			32	
10	 			 	56	2		44	
11	 	 		 	57	8		35	
12	 		 		58	18	2	49	2
13	 		 		59	9	1	24	i
14	 			 	60				
15	 	 		 	61		3_	45	3
		 	 	 	62	10	6	14	6
16		 			04	21	4	22	4
17	 -	 		ļ	63		41	11	41
18		↓		 	64	16	10	17	14
19	 	 			65	14	7	15	30
20		Ļ		ļ	66	19	32	19	52
21	 	ļ		ļ	67	54	30	54	42
22			ļ		68	25	14	25	35
23					69	5	6	5	32
24	ļ	<u> </u>	<u></u>	!	70		29	 	55
25	·			 	71		12		12
26	ļ		<u> </u>	.	72		14	L	26
27	<u> </u>	<u> </u>		<u> </u>	73		21		30
28					74		δ	<u> </u>	26
29		<u> </u>	<u> </u>	l	75				17
30					76		I		10
31		I			77				4
32					78				4
33	ĺ			I	79				32
	1]]		80]	2
, ,				T	81				
٠.		1	† · 	 	82		1		1
. , -		 	1	T	83				T
F (c)		1	1	 	84	 	1	T	
1		!	1		85		 		1
- ' '		1		 	86	 -	 	T	
41	7	 -	+	†	87		1	1	
42		ļ	 	 	88	 	 	 	
13	· 	:	 	 	89	 -	! -	 	
111			+	+	90	 	 	 	
45		 		 	91		 	 	 -
46		 -	 	 	- 1		 	 	┼──
110	<u>i </u>	<u> </u>	<u></u>	<u> </u>	JL	L	<u> </u>	<u> </u>	L

Table 6.2 (Continued)

DATE 6 July 1956

TIME 1355-1415 CST

Post	10 - 1	10 - min. 20 - min.		Post	10 -	min.	20 -	min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	23	21	39	42
2					48	17	18	29	22
3					49	19	24	27	45
4				·	50	13	13	26	30
5					51	6	18	12	28
6	 				52	9	16	12	32
7					53	1	11	7	18
8	 			+ ·	54	4	15	6	27
9	 				55		8	3	15
10	į ———			ļ	56	<u>1</u>	6	3	9
11	 -		 	 	57		5	1	8
12			 -	 	58		5	- i	6
	 		 -		59		2		2
13			<u> </u>	 	60				
14	 		 	·			2		2
15	↓		 		61			ļ	
16	 	L	ļ	ļ	62			 -	
17	ļ		ļ	 	63		ļ		
18	<u> </u>		ļ		64			l	
19	 				65	! 		ļ <u>.</u>	
20	<u> </u>			↓ _	66	! !—— -			L
21	1	<u> </u>	ļ	ļ · -	67			<u> </u>	
22	L	l	1	<u> </u>	68	<u> </u>			
23	I			<u> </u>	69_	i			
24				1	70				l
25	.!	İ	L	<u> </u>	71	İ		L	
26			L		72				
27	1	I			73				
28	1	1		1	74 75				
29	i			}	75				
30		1	1	T	76			1	
31	1		3	<u> </u>	77	1	1		
32	!		5	2	78			1	
33	1 1	1	11	1	79				
34	2	1	8	5	80		·	 -	†
35	4		20	5	81	ļ	 	 	
36		i	9	†i	1 82	 	 	 	
37	9	 	21	2	83	 	 	 	
38		1	18	1 .	84		-	†	
39	8	 		44	85	 	 	 	
40	. 5	4	19	5	86	 	 -	 	 -
	6	- 2 -	18	5	87	 	 	 	
41	10	6	32	11		 	 		
42		<u> </u>	47	16	88	!	 	ļ	
43	14	8	18	21	89			<u> </u>	
44	15	16	22	26	90				ļ
45	18	_20	. 31	41_	91	l	.1	.	
16	25	18	36	43	Ji .	1	1	1	

Table 6.2 (Continued)

DATE 6 July 1956

TIME 1655-1715 CST

Post	10 -	min.	20 -	min.	Post	10 - 1	min.	20 - min.		
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m	
1					47		24		48	
2					48		14		31	
3				Ī	49		23		46	
4	 				50		14		35-	
5	 	i			51		26		45	
6					52		22		49	
7_	 		 		53		29	1	45	
8	 -		ļ ————		54		25		42	
9-	+	 -		 	55		19		27	
	· }	 	ļ	<u> </u>	56	ł	7		24	
10			 	 	57	<u> </u>	9	 	13	
11	 	 	ļ		58		3		- 6	
12	J		ļ		59	ļ	1 4	 	4	
13		 		ļ	29	ļ. ——		 	6	
14			ļ	<u> </u>	60		1	ļ	1	
15	<u> </u>	<u> </u>	<u> </u>	L	61	ļ	1	ļ		
16	<u> </u>	L	<u> </u>	L	62		ļ			
17				ļ <u></u>	63				1_1_	
18					64	ļ	ļ	<u> </u>	ļ	
19	1				65			<u> </u>		
20					66		<u> </u>		<u> </u>	
21		1	T	1	67			<u> </u>	<u> </u>	
?2		1	1		68	T				
23	-1	 	 - · 	 	69				1	
24	1		1	1	70	1				
25	-		·	†	71			1		
26	-		·	 	72					
2 <u>6</u> 27	- }	·		· 	73	 				
28	- 	 -		+	74	 	 	1		
29		· · · · · · · · · · · · · · · · · · ·			75	1	1			
20	·		→ -·	 	76	 	 	 	 	
30			+	+	177	 	 	 	†	
31	- }			+	78		 	-	 	
32		 	_ - <u></u>	 	79				 	
23			+	· }	80	 				
34		J	- -				 		 	
35			_		81		- 	 -	 	
36	ļ	l —		ــــــــــــــــــــــــــــــــــــــ	82		- -	- 		
37			_		83			- -		
38					84		 -			
39	1		J		85				4	
40				3	86	<u> </u>		<u> </u>	<u> </u>	
41		- 			87			, <u> </u>		
42		1		1	88					
43		 2		10	89					
44		3	-	9	90	1	1			
46	-			 	91	1		1		
45 46		5		18	┧┝╌╌╄┈			1	1	

Table 6.2 (Continued)

DATE 10 July 1956

TIME 1355-1415 CST

Post	10 - 1	nin.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	17	6	24	5
2	1				48	9	3	12	11
3					49	6	11	14	15
d.					50	6	4	16	9_
5					51	3	6	7	8
6	 				52	4	8	9	12
7	1		- 		53	3	2	10	9
8					54	5	6	7	9
9					55	9	4	12	11
10					56	7	7	10	16
11	 			— <i></i>	57	5	9	9	16
12	 				58	9	11	12	24
13	 -			l	59	5	8	12	14
14	 				60	7	8	14	24
15	 				61	4	5	7	18
16					62	8	8	11	20
17	 				63	6	14	10	35
18	1			1	64	3	7	8_	17
19	 	1		1	65	4	3	7	10
20	1				66	13	2	21	6
21	1	3	1	3	67	6	2	13	14
22	† i	 -	1		68	2	4	9	13
$\frac{1}{23}$	4	2	4	2	69	2	6	6	18
24	2	3	2	3	70	2	5	4	13
25	1	1	1	1	71	3	7	5	12
26	2		2	i - i -	72	2	4	2	9
27	2	3	2	3	73	1	5	1	6
28	2	1	2	1	74	1	1	3	i
29	2	i	3	î	75	1	1	3	1
30	4	1	5	2	76	1	1		1
31	2	4	7	4	77	1	2	4	2
32	1	5	4	6	78		ī	2	_i
33	2	2	9	2	79	T	3	2	3
34	2	i	5	1	80			1	Γ
35	4	1	8	2	81			3	
36	1 - 1	1	7	1	82	Ţ	1	5	1
37	6	2	13	3	83				1
38	4	5	9	8	84		1	4	
39	6	1	8	5	85	7	T	4	
40	1	4	2_2_	1	86			8	
41	6	1	11	2	87	1	1	1	1
42	11	4	13	9	88	!	1	6	
43	4	4	5	7	89	1	1	3	1
44	8	7	10	11	90	†	† 	3	†
45	6	4	3		1 0 -	·	!	.4	
46	3	3	8	3_	11				
L	. L	J	<u> </u>	ــــــــــــــــــــــــــــــــــــــ	JL	4	· · ·	.1	I

Table 6.2 (Continued)

DATE 10 July 1956

TIME 1655-1715 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	23	12	46	22
2					48	13	15	25	22
3					49	27	9	·32	15
4			 		50	15	8	26	18
5		 -	·		51	14	13	25	23
- 3	 				52	14	17	15	32
7	 -				53	iö	15	19	19
8	 -				54	8	16	13	22
9	 	' 		 	55	3	32	6	37
10	·		 		56	8	14	7	17
11	·	 	 	ļ. — — —	57		20	4	24
12	·		·	 -	58		20	1	21
			 	 		2 2	20		41
13	· - — —	ļ	ļ		59		6	1	7
14	ļ			ļ	60	2	6	1 2	6 2
15	 		_		61	2	2	2	
16	<u> </u>	 		ļ	62		1		1
17	 		<u> </u>	_	63	2		2	
18	1	 _	ļ	11	64			<u> </u>	<u> </u>
19	 -	ļ		2	65	ļ	 	ļ <u>.</u>	ļ <u> </u>
20			1		66			 	Ļ
21			1		67		L		<u> </u>
22	ļ 		1	5	68				
23			5	1	69				
24			3	11	70				L
25			1	7	71			L	l
26			5	5	72				
27	1		6	2	73		1		
28	1		6_	5	74				
29	7		4	5 9	75		1	T	
30			8	6	76	Ţ ———			
31	 -	1	11	7	77	1	1	T	1
32	1		11	6	78	1	T		
33		1	8	2	79	 -	1	 	1
34			6	9	80	 	·	 	
35	∤ ~ r · · · ·		9	5	81	·	 	 	
36	+	1	33	5 8	82	 	 	 	
37	·i·	· 		8	83	 	 	 	
38		· ···-	8		84		+	 	
39	2	·{	7	10	85		 	+	
	· 4	 !	7	-{- 		·	+	+	+
40	3		3	10	86	- 	 	 	
41	13	 	21	17-	87	 	 	+	┼
42	21	22	32	44	88	 		 	
13	11	1	18	14	89	 	. 		
44	15	9	28	21	90		 		
45	10	10	18	11	91	<u> </u>		ļ	
46	16	10	23	24	{{			1	1

Table 6.2 (Continued)

DATE 11 July 1956

TIME 0955-1015 CST

No. 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	10 - n Source	450 m	20 - Source	450 m	No. 47 48 49 50 51 52 53 54 55 56 57 58 59	10 - 1 Source 1 4 2 4 7 7 7 17 15 15 18 15 28 29	1 1 4 5 6 6 6 17 17	20 - Source 1 4 4 5 9 12 26 19 20 27 35 61	450 m 1 1 4 1 5 6 7 28 30
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18					48 49 50 51 52 53 54 55 56 57 58	2 4 7 7 17 15 15 18 18 28	5 6 6 17	4 5 9 12 26 19 20 27 35	1 1 4 1 5 6 7
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17					49 50 51 52 53 54 55 56 57 58 59	2 4 7 7 17 15 15 18 18 28	5 6 6 17	4 5 9 12 26 19 20 27 35	4 1 5 6 7
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17					50 51 52 53 54 55 56 57 58 59	4 7 7 17 15 15 18 18 28	5 6 6 17	5 9 12 26 19 20 27 35	4 1 5 6 7
5 6 7 8 9 10 11 12 13 14 15 16 17					51 52 53 54 55 56 57 58 59	4 7 7 17 15 15 18 18 28	5 6 6 17	9 12 26 19 20 27 35	4 1 5 6 7
5 6 7 8 9 10 11 12 13 14 15 16 17					51 52 53 54 55 56 57 58 59	7 7 17 15 15 18 18 28	5 6 6 17	9 12 26 19 20 27 35	4 1 5 6 7
6 7 8 9 10 11 12 13 14 15 16 17					52 53 54 55 56 57 58 59	7 17 15 15 18 18	5 6 6 17	12 26 19 20 27 35	4 1 5 6 7
7 8 9 10 11 12 13 14 15 16 17					53 54 55 56 57 58 59	17 15 15 18 18 15	5 6 6 17	26 19 20 27 35	5 6 7 28
9 10 11 12 13 14 15 16 17 18					54 55 56 57 58 59	15 15 18 15 28	6 6 17 17	19 20 27 35	6 7 28
9 10 11 12 13 14 15 16 17 18					55 56 57 58 59	15 18 15 28	6 6 17 17	20 27 35	6 7 28
10 11 12 13 14 15 16 17 18					56 57 58 59	18 15 28	6 17 17	27 35	7 28
11 12 13 14 15 16 17 18					57 58 59	15 28	17 17	35	28
12 13 14 15 16 17 18					58 59	28	17		
13 14 15 16 17 18					59			61	30
14 15 16 17 18						90			
15 16 17 18							13	47	28
1 <u>6</u> 1 <u>7</u> 18			1	t	60	14	8	42	34
17					61	9	7	24	27
18			ļ 		62	13	19	36	40
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19				J	64	3	14	19	24
			l	l	65	5	14	21	26
20			L	L	68	5	15	13	31
21					67	6	9	11	19
22					68	7	22	12	38
23			1		69	3	10	5	13
24					70	5	8	7	14
25				1	71	·	11	1	21
26				†	72	· 	4	<u>_</u>	8
27				† 	73	·	1		4
28			·		74		 	1	
20					75	·			
30			·		76	†	·	·	
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32					78	ł	·		
33					79	ł	<u> </u>		ļ
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34									
35			ļ		81		ļ		
36		-		ļ -	82	····		 	
37		<u></u>			83	l		l	
38					84]	1	l	<u> </u>
39			1		85	ļ			
40			1	ļ	86]			
41		l	1	1	[87]		
12				i	88		7		1
43			1	1	ji 89		1		1
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Table 6.2 (Continued)

DATE 11 July 1956

TIME 1155-1215 CST

Post	10 -	min.	20 -	min.	Post	10 - min.		20 - min.	
Νο	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47		2	3	3
2					48	1	3	6	4
3				I	49	2	2	8	2
4					50	3	2	9	2
5				1	51	5	6	13	10
6			1		52		3	7	7
7_					53	6	5	12	9
8				T	54	3	5	12	8
9	1				55	4	3	13	7
10		† — - · · · · - · ·	†·		56	7	111	14	11
11			†	 	57	2_	8	13	17
12	 		 	· · · · · · · · · · · · · · · · · · ·	58	3_	9	11	15
13					59	4	9	11	12
14				 	60	7	12	19	22
15			 	·	01	3	14	14	18
16		·	 	 	62	8	13	16	29
17	ļ	 	 	 	63	7	iš -	14	33
18		 	 	 	64	6	18	19	27
19	- · ·	 	·	 -	65	7	111	21	25
20		·	 	<u> </u>	68	8	9	22	23
$\frac{10}{21}$ —				 -	67	8	8	18	24
22	.	·	·	·	68 -	+ 			31
		 	- 	 	69	12	10	23	21
23		ļ		 	70	17	10	28	
24		 	 	1		13	10	23	20
25					$-\frac{71}{72}$	111-	8	13	13
26		ļ	 	 		15	17	18	18
27	}	·	 	 	73	5	4	7	
28					74	16	2	19	10
29			 	 	75	9	7	9	
_30 _	-	ļ	↓	 	76	6	6	6	7
31		-		ļ <u></u>	77	12	5	13	8
32		·	ļ	 	78	8	 	9	1
33			ļ	ļ	79	$-\frac{4}{2}$	1	6	5
34					80		 	3	1
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36				ļ	82	2	 	8	2
37	-	<u> </u>			83	2	 	2	·
38	i	<u>.)</u>	11	 	84	2	J 	2	7
39		1	1		85		<u> </u>	ļ	1
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42		Ţ 			88	1		1	
43]	89				
44	1		1	1	90	1	1		1
45	1		2		91				Ţ <u> </u>
46	1	1 1	2	1 1	71	1	1	1	

Table 6.2 (Continued)

DATE 14 July 1956

TIME 0755-0815 CST

Post	10 - 1	min.	20 -	min.	Post	10 - 1	min.	20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	26	3	63	7
2					48	21	9	50	16
3				I	49	23	10	52	24
4	1		· · · · · · · · · · · · · · · · · · ·		50	23	7	45	26
5				····	51	16	22	32	44
	 		·		52	$\frac{1}{2}$	25	33	49
$\frac{3}{7}$	 			·	53		26		53
- 6					54	13		28	
			∤- —	·	55		18	12	44_
9	·				25	3	35	16	60
10	<u> </u>				56	3	17	6	38
11	l			İ	57	1	24	1	36
12				l	58		16	L	29
13					59		15		24
14				T1	60		9]	16
15	 			1	61		2		4
16	 	-			62		 	 	2
17	 			†	63				2
18	 		 	 	64		 -		
19	 -		+	∤	65 -		 -	 	
20	 		 	 -	66		 	 	
_20	-			ļ - · · ·	67 -			 	
21	 		ļ · · · ·					ļ	ļ
22	.		ļ		68		L	 	ļ
23			 		69		L		
24	J		ļ		70	 			<u> </u>
25				1	71	ļ		<u> </u>	
26	l	l	l	l	72	l	L	I	l
27					73				
28	1	[74		[T	
29	7			1	75	· — · · · · · · · · · · · · · · · · · ·			
30				1	76	1		1	
31				t :	717		1		
32					78				
33					79	·	·	·	
34	·			1	80			+·	
35	+		4	1	81		· 	 -	
100		ļ		4	82	·	 	 -	
30				1				 	
	. 				83	 	\	ļ	·
38	l	l			84	1	.	L	
39		l			ji 85	l	L	l	J
40	1	l	1	l	86	1			
41	5	[5		87	ļ			
42	14	1	20	1	88		1	1	
43	-	† - ·- ·- ·	15	1	89	1	1	1	
44	16	}	28	·† · - · · · -	90	1	+· - ·· 	 	-
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Table 6.2 (Continued)

DATE 14 July 1956

TIME 0955-1015 CST

No. Source 450 m Source 450 m Source 450 m Source 450 m 33	20 - min.		
1 47 8 33 2 48 12 28 3 40 9 23 4 50 14 1 23 5 51 25 10 41 7 6 52 31 9 42 2 7 53 11 24 28 4 8 54 29 27 41 4 9 55 17 32 26 6 10 56 19 37 30 5 11 57 21 36 28 5 12 58 18 31 26 5 13 59 4 17 7 3 14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 6 1 17 63 2 2 2 6 20 66 0 2 2 2 6 21 66 0 0 0 0 0 18 66 0 0<	0 m		
2 48 12 26 3 40 9 23 4 50 14 1 23 5 51 25 10 41 2 6 52 31 9 42 2 7 53 11 24 28 4 8 54 29 27 41 4 9 55 17 32 26 6 10 56 19 37 30 5 11 57 21 36 28 5 12 58 18 31 26 5 13 60 4 8 17 1 14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 6 1 17 63 2 2 6 1 19 65 3 2 2 2 20 66 3 3 2 2 3 21 67 3 3 3 3 3 22 72<	A		
3 40 9 23 4 50 14 1 23 5 51 25 10 41 2 6 52 31 9 42 2 7 53 11 24 28 4 8 54 29 27 41 4 9 55 17 32 26 6 10 56 19 37 30 5 11 57 21 36 28 5 12 58 18 31 26 28 13 59 4 17 7 3 14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 6 1 19 65 66 66 66 20 66 66 66 21 68 68 69 23 70 72 73 74 29 76 76 70 30 70 77 77 77 33 70	4		
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7 53 11 24 28 4 0 55 17 32 26 6 10 56 19 37 30 5 11 57 21 36 28 5 12 58 18 31 26 5 13 59 4 17 7 3 14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 2 6 1 17 63 2 2 2 6 1 19 65 6 2 2 2 6 1 20 66 66 2 2 2 6 1 21 67 68 2 2 2 2 2 22 68 70 2 2 2 2 2 2 2 2 2 2 3 3 2 <td></td>			
8 54 29 27 41 4 0 55 17 32 26 6 10 56 19 37 30 5 11 57 21 36 28 5 12 58 18 31 26 5 13 59 4 17 7 3 14 60 4 8 17 1 15 61 3 4 2 1 10 62 2 2 2 6 1 17 63 2 2 2 6 1 19 65 66 2 2 2 6 1 20 66 66 67 2 2 2 6 1 21 67 70 2 2 2 2 6 1 22 68 70 70 2 2 2 2 2 2 2 2 1 1<			
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13 59 4 17 7 3 14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 6 1 17 63 2 2 2 18 64 1 1 19 65 20 66 2 20 66 67 2 21 67 68 2 23 69 70 2 24 70 70 2 27 73 74 70 29 76 77 3 30 70 77 3 31 77 78 3 33 79 79	-		
14 60 4 8 17 1 15 61 3 4 2 1 16 62 2 2 6 1 17 63 2 2 6 1 19 65 2 2 6 1 20 66 67 66 2 21 67 68 69 66 69 24 70 70 71 72 73 74 74 74 75 76 77 77 77 77 77 78 33 79 79 79 70 70 70 77 78 79 70 70 70 70 77 77 77 78 79 70	}		
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25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79			
26 27 28 29 30 31 32 33 78 33			
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79			
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37			
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39 85			
10 86			
11 2 5			
12 7 88			
43 1 6 89 <u>89</u>			
44 4 17 90			
45 3 19 4 91			
4 17 4			

Table 6.2 (Continued)

TIME 1955-2015 CST

Post	10 - 1	nin.	20 - r	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48			1	
3					49	18		46	
4	1				50	74		80	
5					51	67		162	
-6 -	 				52	21		56	
7	 				53	34		43	
8					54	26		35	
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0				· 	55			10	5
10					56			12	9
11	<u> </u>				57		38	44	49
12					58	!	81	23	114
13					59		74	9	179
14					60		22	6	82
15			·		61		19		41
16					62		6		4
17					63		-		
18	 				64	i			
19	·				65		·		
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21	↓				67				 -
22	 				68	l	L		
23					[69				L
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29					75				1
30					76		1		1
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36			_		82		!	 	
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Table 6.2 (Continued)

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TIME 2155-2215 CST

Post	10 -	min. I	20 - 1	min.	Post	10 - r	nin	20 -	min.
No.	Source	450 m	Source	min. 450 m	No.	Source	450 m	Source	450 m
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1					48	·	67	2	82
									75
3					49		68		13
4					50		46		53
5				l	51		19		33
6					52		7		17
7					53		4		21
8	+ ··	•			54		7		24
					5 <u>4</u> 55				14
				1 1	56	••		· —	- 6
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12	1				58				
13	· · · · · · · · · · · · · · · · · · ·	T			59	1			
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15	†· · · · · · · · · · · ·	j		• - {	61				
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34	i]	1	í	80	ł		l	
35	1 -	İ .	İ	i	81		1	T	
36	1		1		82		 	 	
37	1		i i	· ·	83		·		
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311	19	t F	- 22 - 55	1	84	· · · · ·	ł	 	
39	39	!	55	<u> </u>	85	J	L	<u> </u>	<u> </u>
40	33		52	1	86	1		.	.l
41	55	:	97		87	1			
42	49		110	1	88		1		1
43	1 20	İ			89	· · · · · · · · · · · · · · · · · · ·	 	 	
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45			. 23	57	91				·
46	! 1	6	15	47	(1	1	i	1	

SECTION OF SECTION OF SECTION OF SECTIONS

TIME 1755-1815 CST

ost	10 -	min	20 - 1	min.	Post	10 - min.		20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 n
1					47	7		12	
2	· 			· — - · · — — — — — — — — — — — — — — —	48	4	1	В	1
3		· · ·			49	1	2	3	3
. : :				·			$-\frac{2}{3}$	7	3
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3					_51	3	4 9	9	5
6					52	3	9	13	10
7					53	3	6	9	10-
8					54	5	9	16	9
9		_ 			55	2	9	12	7
10					-56		-	12	
						5	5	8	31
11					57	8	5	15	36
12					58	5	8	27	30
13			—— —		59	13	4	31	43
4	· - —·-— - · ·	i			Ch	25	28	45	37
5					61	40	40		31-
6				<u> </u>	62	_ 12	11	27	27
						18	13	39	55_
1					63	15	23	26	30
8		l	l		G4	15	15	3.1	28
<u>5</u>		I			G5	16	15	29	15
0					66	15	13	27	20
1	, 				67	16	17	21	29
2					68	7	16	12	
3		 		i	69	·			18
23 24		 			09	17	12	19	12
(1) — (70	11	3	15	8
5		.	i .		¦¦ 71	1	1 2	3	8_
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9		· ·			75 -		i	1	
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Table 6.2 (Continued)

TIME 0955-1015 CST

Post	10 - 1	nin.	20 -	min.	Post	10 - min.		20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
	1				47	12	1	18	13
2				·	48	8	2	12	5
- 3-					49	12	1	16	12
3			 		50	15	3	22	6
5	<u> </u>		 		51_	13	-	17	6
-6	 				52	14	8	19	TÌ
7	†·				53	11	4	13	7
1 8-	!		 -		54	10	6	15	13
9					55		3	12	6
10			 	 	56	7	3	8	
	!		 		57		11	3	16
$-\frac{11}{12}$	 			 	58	3 3	10	9	18
						3		10	5
13			ļ		59	4	4		
14	ļ	L _	l		GO	8	15	14	28
15	· L		L		61	\	12	3	17
16	4		<u> </u>	<u> </u>	62	3	12	8	20
17	·			l	63		13	5	37
18				ļ	64	4	3	11	16
19	[i	65	10	17	18	29
20	.i		L		66	12	13	22	17
21	1				67	9	11	19	26
22]]	68	5	14	15	28
23					69	4	5	14	17
24			1		70		7	12	20
25	1				71		5	6	7
26					72	1	6	11	10
27			F	† 	73	1	11	4	11
28	7			j	74	1	3	2	3
29	1	1	1	1	75	1	4	5	4
3∪		1	1	 	76	T	1	7-	1
31		i	2	1	77	1	2	2	2
32		 	1 ī	1	78	 	2	11	3
33	· · · · ·		i		79		3	3	5
34	1)	1	† · · · · · · · · · · · · · · · · · · ·	80		2	2	2
35	 		2		81		┧─ <i></i> -	- 2	1 - 1 - 1
36	1 k		3	1	82	 	1	3	
37	- -3		5	 	83	·	 	† -	├──▔ ─┤
38	ı	···· -··	4	 	84		2	 	-3-
39		-	5	i	85	i	 	 	╁╌┷╼┤
40	} 2	} 	9	+·· <u>-</u>	86	·	3	 	3
	6	22_		2	87		· - 3	 	-
41	13	 	. 15	2			 -	 	
42	4		10	11_	88	ļ	1	 	1 - 1
.43	1 6	3	<u> </u>	6	89	ļ <u>——</u> —-	2	 	2
44	5	1 1 -	12	. 4	90	1	·}		
45	6		7	6	91			 	
46	8	3	19	6	Jl	1	l	<u> </u>	l

Table 6.2 (Continued)

TIME 1955-2015 CST

Post	10 - 1	nin.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	46	23	90	60
2					48	36	33	68	67
3					49	26	41	39	84
4					50	24	37	35	59
5					51	17	34	26	49
6					52	8	20	13	39
7	·				53	7	22	8	31
8					54	4	17	4	12
9					55	2	5	2	8
10		· - · ·			56		† -	· · · · · · · · · · · · · · · · · · ·	
11	 				57	 -	2		4
12	 		·	}- 	58	 	 		
13	 		 	ł	59		 		
	ļ			 	60	 -	 		
14 15	 -			 -	61		ļ	 	
	·			ļ-·	01		 	ļ	
16	 -				62		 	ļ	
17	 		 -	-	63		ļ		
18	ļ			l	64			ļ	
19	 	ļ <u>. — </u>		i •	65	·		ļ	ļ <u>.</u>
20	İ				66	<u> </u>			
21	ļ <u>.</u> .			L	67				
22	·				68	<u> </u>	ļ	ļ	
23	1	l 		!	69		i	ļ	L
24			l	! • - -	70	!	<u> </u>	l	ļ
25		l		i	71	i			
26	İ		L	İ	72		l		
27		·			73				
28					74				
29			I]	75			i	i
30			1	1	76		1		
31				· · · · · · · · · · · · · · · · · · ·	77		1		
32	1		1	1	78		Ţ		
33	T				79		1		
34	1	1			80	1			1
35	·	- ··			81		ļ	 	1
36			— ·	<u> </u>	82	·	 	1	
37	·	<u> </u>		!	83		t	1	
38	i	·	1	 	84		 	 	
39		 	2	 	85		 	 	
40	·	 	1		86	· · ·	 	 	+
41		·	 	1	87		- - 	 	
F#1	2		9	3	- 0.0 -	-		 	
42	4	11	12	1	88		· i	·	
43	- 13	$-\frac{2}{2}$	18	7 9	89	<u> </u>			·
14	1		41	1 9	90		- 	 _	
45	13	5	47	17	91			1	
46	31	6	63	29]{			1	1

Table 6.2 (Continued)

TIME 1955-2015 CST

Post	10 -	min.	20 -	min.	Post	10 - min.		20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	28		41	
2					48	25		42	1
3					49	31	7	60	12
4	I				50	32	13	59	22
5					51	38	19	64	31
6	1				52	25	32	51	58
7			1		53	17	36	45	68
8	1				54	8	48	29	77
9					55	7	30	39	72
10	1				56	1	19	11	43
11			†		57		27	2	50
12		<u> </u>	1		58	1	7	4	26
13	 		f	[59	 	 		8
14	·		ļ		60	<u> </u>	2	†	10
15	 	 -	 		61	 	 	1	
16	1		1	†	62	1	 	1	
17	j		† ————		63		 		
18	 			 	64	† 			
19 -	+	 -	 	}	65	1	 	 	
20		 		 	66		 		
21	- 	 	 	 	67	 	 	 	
22 -	T	 	 	 	68	 	 		
23	 	 	 	 	69	 	 	 	
24	 	 	 	 	70	 	 	 	
25	 	 	 	 	71 -	†	 	 	
26			t	 	72		1	 	
27	·	 		 	73	 	+		
28		 	<u> </u>		74		 		
29	 		1		75	-	†		
30		 	 	 	76		1	 	
31	+	 	 	 -	77		 		
32		 	 	 	78	 	 		
33		∤	 		79	† · · · · · · · · · · · · · · · · · · ·	 -	 	
34	·		ļ		80	 	+		
35		 -	 	 	81	†	 	 	
36		· · · · · · · · · · · · · · · · · · ·	·	·	82	 	 	 -	
37		 	 -	 	83	†	 	i	
38		ļ ·-	·	 	84	f	 	 	
39	· 	 	 -	 	85	 		 	
40	··	 	 -	 	86	 	 	 	├
40 -	 	 	+	 	87	 		 	
41		 	 	 	87	 	 	 	
12	· -			 			+	 	
43			ļ	 	89	 	 	 	·
14	4	}	4	 	90	 	 	 	
45	6	 	1	 	91	 		 	
46	18	1	20_	1	ــــ ــ ال	L	J	1	1

Table 6.2 (Continued)

TIME 1055-1115 CST

Post	10 - 1	m in.	20 -	min.	Post	10 -	min.	20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	13	13	18	43_
2					48	8	6	13	16
3					49	3	7	11	20
4					50	6	8	10	17
5	 				51	1	4	3	10
6	 				52	1	3	1	4
7					53	<u></u>	·	1	
8		· ·- 			54		2		2
9	 -			i	55		ī		1
10	·	 -		\	56		· · · · · ·	1	
11	 			 -	57		 	 	
12	 			 	58		2		2
13	 		ļ		59	 -		 	
14	 -		 		60	ļ	1	 	1
15	}		 -		61				
	 	ļ - · · · ·	 		62		 	 	
16			ļ	; +	$-\frac{62}{63}$ —	 			ļ
17	 			<u> </u>			 	 	
18		i	ļ	<u>i </u>	64	ļ		 	ļ
19	 	ļ		<u> </u>	65	ļ		ļ	ļ ———
20		ļ	 	<u> </u>	66	i		ļ	ļ
21	 	 	2	·	67	i	 		ļ
22	ļ <u> </u>	 .	i	 	68	ļ		<u> </u>	Ļ
23	ļ		1	 	69	ļ	ļ		
24		ļ	3	<u>i</u> .	70			L	<u> </u>
25	ļ	l	 	ļ	71		ļ	 _	ļ
26 27	1		7	<u>i</u>	72	 		ļ	
27_	1	ļ	3	1	73	İ			
28	22		8	<u></u>	74	l	l	ļ	
29	3	<u> </u>	7	1	75	<u> </u>			<u> </u>
30	10	J	13	3	76]	l	I	[
31	6	4	13	7	77	1	1		
32	12	3	20	5	78	Ţ	1		
33	4	1	11	2_	79	1			
34	14	2	18	6	80			1	
35	17	8	26	[8	¦! 81	1			
38	12	2	24	5	82	1	1	1	1
37	25	11	31	15	83		 	1	
38	5	13	20	21	84			†	+
39	26	7	41	1	85		†	1	+
40	7	18	23	32	86	† ·	†	 	+
141	8	130	$\frac{1}{27}$	48	87	1	 	 	
42	13	14	45	32	88 -	*	 	·	
43	+	22	17	48		i		d	
44	15	21	33 -		90	† 	4	h	
45	13	23	16	51			·	 	·
	6	14	11	33	' ' ' ' '			···	
46	I v	1 14	1 1.	ى ر];		I		1

Table 6.2 (Continued)

THE PROPERTY OF THE PROPERTY O

TIME 1255-1315 CST

Post	10 -	min.	20 -	min.	Post	10 -	nin.	20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	19	34	39	56
2					48	16	18	22	33
3		[49	_ 11	17	21	50
4					50	7	18	15	29
5					51	8	16	11	30
6					52	5	14	12	24
7					53	3	11	6	17
8					54	2	12	4	21
9					55	4	7	5	8
10					56	11	3	2	4
11	 	 			57	 -			4
12			 	 	58	1		1	6
13	 -	<u> </u>		· · · · · ·	59	1		2	-
14	†	1		 	60	1	<u> </u>		1
15	 	 -		t	61		 	 	
16	 				62	 			
17	 	 		-	63				!
18					64		 		
19	 		 	<u> </u>	65		<u> </u>		
20	†	 	 		66			 	†
21	 				67		†		
22	 	 	<u> </u>		68	 	 		
23	 	 			69	 	†- 		
24	 	†	 	 	70		1		
25	 	 -		†	71	†~~~~	1	†	<u> </u>
26	1	·	 	<u> </u>	72	 	<u> </u>	†	
27	 			†	73	 	†	 	1
28	 	†	† ~ 	 	74	 -	1		
29	†	·	1	† -	75	† 	†	}	1
30		† -	 		76		1	 	1
31		 	 	†	77	†	† · · · · ·	1	
32	 	 	<u> </u>	 	78	†— —	1	 	
33	†- 	 -	 	1	79	1	 	†	
34	 	 	1	1	80		1	 	
35	 	†		 	81	1	 	 	—
36	1 1	·	3	1	82	† 	1	†	
37	+	1	8	1	83	!	1	1	1
38	1	1	13	2	84		†	1	1
39	15	4	30	7	85	† 	 	†	
40	7	3	15	7	86	1	 	1	
41	19	6	38	12	87	1	1	1	
42	19	2	50	17	88	1	 -	 	1
43	17	11	19	27	89	 	 	 	
44	33	12	63	27	90	 	+	 	
45	24	25	54	55	91	 	 	 	+
46	25	$-\frac{25}{25}$	42	41	{} [₽] . <u>-</u>	 	 	 	
L3.U			1 72	1 31	ـــــا ل		٠	<u> </u>	1

Table 6.2 (Continued)

TIME 2156-2215 CST

Post	10 -	min.	20 - min.		Post	10 - min.		20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	30	25	55	70_
2					48	23	28	33	55
_ 3					49	24	47	33	74
4					50	18	28	24	48
5					51	4	31	5	48
6	 			1	52	7	19	8	28
7	 	<u> </u>		 	53	6	12	7	20
8	 -		 		54	1	5	1	9
9	1				55	1	4	1	5
10	 				56		1		1
11	 	 	 		57	1	1	1	T
12	 		 -	 -	58		2	-	2
13	 			 	59		 		
14	 -			 	60		 		
15	 	 -		 	61				-
16	 		 	 	62		 	 	
17	 	 	 	 	63		 -		
18	 				64		 -	···	-
				 -	65	 	 		
19	 	 	 -		66		 	 	
20	 -	 	 	 	67		 		
21	 		 	 -		 	 	ļ	ł
22	 -		 		68		 -	 	
23	 -	 	 -	 -	69	i	 	 	<u> </u>
24	 	 	 -	 	70	ļ — ———	 		
25	· 	 	 	i	71		 -		ļ
26	 	ļ	 	 	72	ļ	 -	 	
27	 	ļ	 		73	İ	 	 	
28	 	ļ	 	ļ	74	ļ	↓		
29	<u> </u>	 	 		75	· ·· · · · · · · · · · · · · · · · · ·	 	·	
30		ļ	 		76	·		 	
31	<u> </u>	.	 	 -	77	<u> </u>	ļ	└ ──	<u> </u>
32		ļ. <u></u> .		↓	78	 	 		-
33	 	 	 	· 	79	ļ	 	 	↓
34		ļ	1	 	80		J		<u> </u>
35			2	l	81	ļ	 		<u> </u>
36		ļ	<u> </u>	1	82	 	1	ļ	ļ
37		l	4	1	83				
38	1		2		84				
39	3		7	1	85				
40	2		4	2	86				
41	11	I	19	1	87				
42	11	2	33	10	88				
43	12	5	36	14	89			1	
44	27	6	88	14	90	1	1	T	<u> </u>
45	31	10	61	34	91		1	1	
46	26	14	55	43	1	 	 	 -	

Table 6.2 (Continued)

TIME 2355-0015 CST

Post	10 - min.		10 - min. 20 - min. rce 450 m		Post	Post 10 - min.			20 - min.		
No.	Source	450 m	C/41700	450 m	No.	Source	450 m	Source	450 m		
1					47	23	37	53	75		
2			,		48	17	37 32	29	78		
3					49	4	43	13	97		
4	i		1		50	3	24	9	42		
5		i			51	1	27	1	40		
6					52	1	9	2	12		
7	 	 	 	i	53		5		7		
8	 -			h	54		3		3		
9	 	· · · · · · · · · · · · · · · · · · ·	 -		55	† 					
10	 		 		56	 		 	 		
11	 	 	 		57	 	 	 			
12	 	——	 -	 	58	 	 				
13	+		 	 	59		+				
14	 	 	 	 	60	 	 -	 	 		
15	+	 	 		61	 	 	 	 		
16	 	 	}	 	62	 	 -				
17	 	 	 	 -	63	 	 	 			
	 	 	}		64	 	 	 	 		
18	 		}		65	 	 	 			
	 	 	 		66	 	 	 	 		
20	 	 	 	 	67	 		 	 		
21	 	ļ	 	 	1 01	 	ļ ———		 		
22	 	 	 	 	68	<u> </u>	-	 -			
23			 	[69 70	<u> </u>	 	 -	 		
24		 				 	 -	 	 		
25	 	 	 		71	 	 	ļ	 -		
26	 	 	 	 	72	 	-		1		
27	 	 	 	 		 	 	 			
28	 	·	 		74	 -	ļ. <u></u> -	}			
29		 	 	 -	75	 	 	 			
30		ļ	 	ļ	76	 	 	 	 -		
31				 	77	⊢ -	 	 			
32	 	 	 	├	78	 	 	 	 		
33		 	 	 	79	+	₩	 	 		
34	 			 	80	 	ļ	 	1		
35		 		 	81	↓		↓	 		
36	1	ļ	11_	 	82	 		 			
37		-	3	ļ	83		 	 			
38	6		7	<u> </u>	84		ļ		 		
39	6	ļ <u> </u>	13	 	85	<u> </u>		 _			
40	12	1	20	1	86	 					
41	21	1	41	1	87	_					
42	35		62	4	88						
43	14	3	27	10	89						
44	41	8	81	15	90						
45	24	26	57	52	91						
46	31	20	60	40][]			

Table 6.2 (Continued)

DATE 29 July 1956.

TIME 2055-2115 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No	Source	450 m	Source	450 m
1					47				
2					48				
3					49				
4					50				
5					51				
6					52				
7					53				
8			1		54				
9		I	1		55				
10			 		56		 		
11	11		4		57	† -	 	 -	
12	2		3		58		 		——
13	2		5		59		 	·····	
14	8		16	1	60	 	 		
15	3	 	8	i	61	 	 	 	
16	31	1	51	5	62	 	 		
17	13	i	22	4	63	 	├ ──		
18	24	6	50	21	64	 	 		
19			56	30	65	 	 -		
18	29	12	73	18	-05	 	 	 	
20	32			59	66	 	 	<u> </u>	· · · · · · · · · · · · · · · · · · ·
21	27	17	53	99	67	 	 		
22	16	55	24	50	68	ļ			
$\frac{23}{2}$	20	32	49		69	ļ	 	<u> </u>	 -
24	11	44	16	74	70	}	 -	 	<u> </u>
25	1	31	7	55 17	71	 	.		
26	7	11	12	17	72			ļ	·
27	5	11	13	19	73	 _			ļ
28	4	33	5	7	74		ļ	ļ	
29		4	 	8	75	ļ		ļ. <u></u>	<u> </u>
30	2	L	3		76	ļ	<u> </u>		
31				1	77	<u> </u>			
32	1	1	1	1	78	<u></u>			
33		L	<u> </u>		79				
34	1		1	1	80				
35		1		1	81		1		
36	I	L			82				
37					83				
38				1	84		T	<u> </u>	
39		1	1		85				
40			Ţ		86	1	 	T	
41	1	 	1	†———	87	 -	 		
42				 	88			 	
43	 		1		89	 	 	 	 -
44	 	 	 	 	90	 	 		
45	 	 	 -	 	91		 	 	
46	+	 	 	 	<u></u>	 	 	 	
40		 _		L	/L		 	<u></u>	<u> L</u>

Table 6.2 (Continued)

DATE 29 July 1956

TIME 2255-2315 CST

Post	10 - min.		20 -	min.	Post 10 - min. 2			20 -) - min.	
No.	Source	450 m	So ?	450 m	No.	Source	450 m	Source	450 m	
_1					47					
2					48					
3					49					
4					50					
5					51					
6					52					
7					53					
8					54					
9	T				55					
10					56					
11	1				57		 			
12					58			 		
13					59		T			
14	1		†·	 	60	 -	1	1		
15	1			<u> </u>	61	1	 			
16			<u> </u>	 	62	1	 	 		
17				 	63	1		 -		
18					64	1				
19	1		4	1	65	1	1			
20	9		13		66					
21	11		20	1	67					
22	7		11	i	68	 	1			
23	25	1	40	2	69			1		
24	27	2	51	4	70					
25	14	5	28	6	71	T				
26	31	8	69	14	72					
27	22	17	61	36	73					
28_	31	10	62	23	74					
29	15	23	24	52	75					
30	15	39	40	63	76					
31	12	36	17	73	77					
32	9	32	13	62	78					
33	3	11	4	25	79					
34	4	23	6	48	80	L				
35		17	2	36	81					
36	2	6	2	11	82					
37	ļ <u></u>	6		9	83	<u></u>]		
38		1	1	5	84				J	
39	1	1		5	85	1		1		
40				2	86					
41		1		1	87					
42					88					
4:3					89	<u> </u>				
44					90					
45					91					
46					1					

Table 6.2 (Continued)

DATE 1 August 1956

TIME 1255-1315 CST

Post	10 - min.		20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	4		19	
2					48	4		17	
3					49	_ 6		15	
4					50	2		9	
5					51	6		16	
6			•		52	<u>6</u> 3		9	
7					53	7 7		10	
7					54	7		5	
9		······································			55	4		9	
9					56	9	 	10	
$-i\frac{1}{1}$	·			· ·	57	2	 	4	
12	·			·	58	17-	 	19	
13			·	·	59	6		8	
14		· - · · ·		·	60		 		
15				 	61	9 5	ļ	14	
13	ļ							7	
16	ļ <u></u>			·	62	5		6	
17	2		2	ļ	<u>6</u> 3	9	·	11	 _
18					64	3		6	<u> </u>
19					<u>65</u>		 		
20_	ļ		1	<u> </u>	66	1	<u> </u>	3	<u> </u>
21	3	L	3	<u> </u>	67	<u> </u>	<u> </u>		ļ
22	I		2		G8	1	<u>ا</u>	1	
23	2		3		G9	l			<u> </u>
24	4		4	<u> </u>	70				
25	2		2	L	71	<u> </u>	<u> </u>		
26	2	l	3		72	1		L	l
27	11		1		73		1		
28	8		11		74		1		
29	4		8		75		J		
30	5		8	[76		1	I	
31	5		10	·	77		· · · · · · · · · · · · · · · · · · ·	1	
32	5		14		78				
33	6	<u> </u>	13	T	79		T		1
34	1 1	 	5 18	i	80	1	T	† — — — — — — — — — — — — — — — — — — —	1
35	11	† 	18	1	81	 	····		1
36		 	10	 	82	 	1	 	
37	6 9	·	21	 	83	† -			
38	8	·	19	·†	84	 	 	 	
30		·····	9	 	85	··	 	 	
40			21		86 -		- 	 	
	3			 	87 -	 	-	 	
41	9		24	· · · · ·	- 88	 	· 	 	·
42	10	<u> </u>	20	4		·			·
43	في	ļ	16	·	89	·			
44			.15		90				
45	66	ļ	19		91	ļ ·	1		
40	1	L	8	<u> </u>	JI	l	<u> </u>	<u> </u>	<u> </u>

Table 6.2 (Continued)

amen instruction recording recorded acceptant appropriate solutions appropriate solutions acceptants

TIME 1155-1215 CST

Post	10 -	min.	20 -	min.	Post	10 - 1	min.	20 - min.		
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m	
1					47	17	10	36	29	
2			<u> </u>	L	48	8	5	17	21	
3					49	11	11	26	38	
4				I	50	19	7	46	29	
5					51	12	23	28	39	
6	Ţ				52	17	15	35	30	
7					53	12	17	25	29 36	
8					54	12	24	20	36	
9					55	9	16	15	22	
10					56	8	9	13	17	
11					57	8	14	8	18	
12	 		 		58	11	21	14	26	
13	1				59	5	11	5	13	
14	 			 -	60	3	17	4	21	
15	 		 		61	3	3	3	4	
16	 		 		62	3	8	3	11	
17	 		 	†	63	4	5	4	6	
18	 			†	64	 	5		6	
19			 	 	65	4	2	4	4	
20	 	†	 	r	66	4	1	4	1	
21		 		 	67	2		2		
22	 				68			1		
23	1			 	69		1	1		
24	 -		 	 	70				T	
25		· · · · · · · · · · · · · · · · · · ·	1		71					
26	· 	t	1		72	T		1	1	
27	 			†	73					
28	 	 -		 -	74	1	1	 	1	
29	 -		 	1	75					
30	· 				78	1	1	1		
31	1	 	 	 	77		1	T		
32	·	 	1	 	78	 	1	1		
33	1	1	· · · · · · · · · · · · · · · · · · ·	 	79	 	1	1		
34	 	†	1 1	† 	80	1		1		
35	+	h		†	81-	 	 		1	
38	2	 	3	1	82	1	1	1	1	
37			1	 	83	 	†			
38	 	+	5	<u> </u>	84	ļ	 	1	1	
30	4	·	8	 	85	 	 	1	 	
40	4	 	8	4	86	†	 	 		
41	7	 	18	2	87	 	-	1	+	
42	6	1	25	12	88	+	+		 	
43	6	$\frac{1}{1}$	$-\frac{25}{17}$	11	89	 	+	 	 	
	15		35	7	90	+	+	· 	 	
44		1	35	-\ 17	1-01	 	+	 	 	
45	14	4			91			 	 	
46	10	8	18	24	JL	L		. l <u></u>	. L	

Table 6.2 (Continued)

TIME 1355-1415 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	24	22	52	36
2					48	17	25	38	38
3					49	24	18	34	41
4					50	22	18_	37	34
5					51	16	12	37	25
6					52	17	21	32	37
7					53	14	18	26	25
8					54	9	22	21	34
9					55	5	14	14	23
10	·				56	4	9	9	13
11	 -				57	5	13	8	24
12	 		 		58	2	5	3	11
13	 				59	ī	6	3	7
14					60	 	8	4	7
15	 		 		61	 	 		
			 		62			3	2_
16	 		 		63		ļ	 	├──┤
17	ļ		 						
18	 				64		 	 	
19					65		 		
20	. <u></u> -				66		 	ļ	
21	L				67	l	ļ	 	ļ
22	ļ		 		68				
23					69		. 	 _	└ ──
24			ļ		70		ļ <u>.</u>	 	
25	·		<u> </u>	ļ <u></u> -	71	l	ļ	ļ	↓
26	. İ	İ	L	ļ	72	<u> </u>	 		ļ
27	1	<u> </u>	<u> </u>		73		1	<u> </u>	
28	<u> </u>	L	<u> </u>		74				ļJ
29	<u> </u>				75	L		l	<u> </u>
30					76				
31]			77				
32		I		L	78				
33		L	1		79				
34				I	80				
35	1	[1	 	81	†-· 		 	
36	1		1	 	82	†	1	† ————	
37	2		2	† <i></i>	83	1	1	1	1
38	2	† 	3	 	84	 	1	1	
39	3_		5	 	85	† ·	1		† ·
40	2	1	5	1	86	 	 	 	
41	8	1	10	3	87	 	 	 	
42	12	2	21	4	88	 	+	 	
43	$\frac{12}{13}$	8	14	12	89 -	 	+	 	
	13	3	36	5		 		 	
44				13	90	 	 	 	
45	8	14	25 35	$\frac{13}{22}$	91	 	 	 	·
46	1 10	19	1 35	22	JL	<u> </u>	J	1	

Table 6.2 (Continued)

DATE 2 August 1956

TIME 1255 0015 CST

Post	10 -	m in.	20 -	nin.	Post	10 - 1	min.	20 -	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	19	42	31	79
2					48	11	19	19	41
3					49	5	33	9	60
4					50	3	21	_4 _	34
5					51	1	13	1	15
6	1		†		52	1	8	2	11
7	1		1		53		7		7
8	1		1		54		2		3
9	 				55		1		1
10	 		 		56				
11		i	 		57	† 			
12	 -		 		58		 		
13	 	 		 -	59	 			
14	+				60	 			1
15	 	 		· - 	61		 		1
16	 	 			62		 -		
17-	 -	 	 -	ļ	63	 	1	 	1
18	 	 -			64	 	 	 	1
19			 	 	65	·	 		
20		 	+	·	66		 	 	ļ
21	-	 	+		67			 	
22	- -	 	 	·	68		+	1	1
23	- 	 	- 	 	69		+	 	
24			 	 	70			 	
25		∤		i	71			 	· · · · ·
26	-			-}· · · -	72	1	· · · · · · · · · · · · · · · · · · ·	 	
27	-	†		 	73		 		
28			 	 	74		1	 	
29	. 	 	· ·		75		·	-	
30	.	- 			76	1		 	
31				 -	77		1		
$\frac{31}{32}$				ļ	78	 	+	 	1
32					79		·	+	
33_	-+		<u>-</u>	·	80		·		-
34			· · · · ·	· - · · ·	81		· · · · · · · · · · · · · · · · · · · ·	+	
35	}		1 - 4 -	.	82	+	+	+	
36	4	·		 	83	 	 -	 	
37	6	· · · ·	15	 	84		+		+
38	$-\frac{3}{2}$	·	88		85	+	 		+
39	9	2	27	2	86	- 			
40	17	·	38			4			
41	40	3	72	7	87	- 	 -		+
42	29	4	72	12	88		 -		
43	18	10	39	28	89		- <i>-</i>		
44	34	18	70	36	90			 	
45	20	33	37 _	92	91			.	
46	19	24	32	52	H	1	- l	_l	_L

Table 6.2 (Continued)

DATE 3 August 1956

TIME 0135-0215 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2_					48				
3					49				
4					50				
5	i				51				
6					52				
7	1				53				
8		1			54				
9	1				55			3	
10					56			5	
11	 		ļ. 		57	1		7	
12	 		 		58	6	 	15	
13		·		 	59	3		15	
14	 			 	60	10	 	31	
15	 	 	 	·- 	61	12	 	28	
16					62	19		39	 -
17					63	25		34	
18		 -	-		64	16		24	
19	 	 	 	 	65	23	 	32	
20	 		 	·	66	19	 	19	
21			 		67	26	 	26	
22					68	21	 	23	
23	1	 	 		69	14	 	14	
24	†	 	 	†	70	9	 	10	
25	 	1	1		71	10		11	
26				†	72	13	† 	22	
27	·	 		-	73	5	 -	11	
28	 -			† -	74	4		28	
29		T			75	3		24	
30			1		76	1	 -	10	
31	1		 	·	77			22	
32		1	 -	1	78	†	·	11	
33	1	1		1	79		†- 	8	
34	1	†· 	1	†	80			6	
35	 	 		<u> </u>	81			-	
36		·			82	<u> </u>	†- 	1	
37	 		1	†	83			t	
38	1	 -		 	84		 	 	
39	 		 		E5	!			
40	1	 	 		86		 	t	
41	 	 	 	<u> </u>	87	 	 	 	
42	-	 	 			ł	 	 	
43	 	 	 	 	88 89	 	 	·	·
44	 				90	 	·		ł-
45	 	 			91	·	· · · · · · · · · · ·	 	
46	· 	 	 				· · · · · · · · · · · · · · · · · · ·	∤	·
10		<u>L </u>		'	1	1	<u> </u>	<u> </u>	L

Table 6.2 (Continued)

DATE 3 August 1956

TIME 1255-1315 CST

Post	10 - 1		20 -	nin.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	150 m	Source	450 m
1					47	8	2	12	2
2					48	13	5	15	6
3					49	8	4	12	4
4					50	9	2	11	3
5					51	13	3	23	4
6	1				52	18	7	28	7
7	1				53	16	11	26	13
8				F	54	22	7	29	12
D		_			55	16	7	30	14
10					56	26	3	40	12
11	 		 		57	13	15	19	36
12		 	 		58	12	14	37	34
13	 				59	16	6	26	20
14	1	 	 	 	60	3	25	24	51
15	1			 	61	6	12	19	28
16	+	 	 	 	62	6	18	19	32
17	·			 	63	6	25	21	49
18	 	 	 	 	64	4	15	16	30
19	+		 	ļ	65	2	10	11	20
20			1		66		8	8	15
21					67		19	7	32
22			 	· ~ 	68	1	5	12	16
23		 	 	ļ	69_	 -	7	5	16
24			 	† -	70	 	 	4	5
25	 -	 	·		71		4	i	8
26	 	 	 		72	 -	2	i	4
27	i - · · · -			 	73	 	2	 	4
28	 	 	 	 -	74		† 	1	
29	 	 		 -	75		 		3
30	 	 			76	 	 	 	
31	+	 -	 	 	77	 -	<u> </u>	 	2
32	 	 	+		78	 	 -		
33	 	 	 	 	79		†	 	
34	+		1	 	80	 	 	† -	·
35	+	·		 	81	 	 	† 	
36			 	 	82	 	 	 	
37	+	 	+	† ·	83	 	 	 	
38	+		+	 	84	 	 	 	
39	- 			 	85	· 	:	 	 - - - - - - -
40	- -	 	† -	 	86		· · · · · · · · · · · · · · · · · · ·	-·	
41	 	 		 	87	 	 	 	
42	+	 		 	88	 	 -	 	
13	2 -	 -	- 3	·	89	 	 	 -	
44	2 -	 	2	+	90	·	 	 -	
45		 	4		91	·	 -	 	
46	44	 	 .4	 -	1 - 21 -	 	· · · · · · · ·	 	
40	10	1	11	.L	ــــــالــــــــا	L	<u> </u>	<u> </u>	1

Table 6.2 (Continued)

DATE 3 August 1956

TIME 1455-1515 CST

1 47 2 48 3 49 4 50 5 51 6 52 7 53 8 54 9 55 10 56 2 11 12 58 6 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	20 - n Source 2 1 3 4 6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19 17	1 1 4 1 3 6 4 1 1 5 5 8 6 12 21 13 31 29 31 34 45
1 47 2 48 3 49 4 50 5 51 6 52 7 53 8 54 9 55 10 56 11 57 12 58 6 13 59 6 14 60 8 15 61 5 6 16 62 8 5 17 63 13 13 13 18 64 12 12 20 20 66 12 19 21 67 11 33 22 23 68 16 39 23 69 15 21 24 70 13 21	1 3 4 6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19 17	1 4 3 6 4 1 5 8 6 12 21 13 31 29 31 34
2 48 3 49 4 50 5 51 6 52 7 53 8 54 9 55 10 56 11 57 12 58 6 13 59 6 2 60 8 15 61 5 16 62 8 17 63 13 13 18 64 12 12 20 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	1 3 4 6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19 17	1 4 3 6 4 1 5 8 6 12 21 13 31 29 31 34
3 49 4 50 5 51 6 52 7 53 8 54 9 55 1 10 56 2 11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	4 6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19	1 3 6 4 1 5 8 6 12 21 13 31 29 31 34
4 50 5 51 6 52 7 53 8 54 9 55 10 56 11 57 12 58 13 59 14 60 15 61 16 62 17 63 18 64 19 65 20 66 20 66 21 67 22 68 23 69 23 70	4 6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19	1 3 6 4 1 5 8 6 12 21 13 31 29 31 34
5 51 6 52 7 53 8 54 9 55 1 10 56 2 11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	6 11 8 10 17 23 9 27 13 23 18 25 23 34 21 19	3 6 4 1 5 8 6 12 21 13 31 29 31 34
7 8 9 54 10 55 11 56 12 58 6 13 59 6 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	11 8 10 17 23 9 27 13 23 18 25 23 34 21 19 17	3 6 4 1 5 8 6 12 21 13 31 29 31 34
7 8 9 54 10 55 11 56 12 58 6 13 59 6 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	8 10 17 23 9 27 13 23 18 25 23 34 21 19	6 4 1 5 8 6 12 21 13 31 29 31 34
8 54 9 55 1 10 56 2 11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	10 17 23 9 27 13 23 18 25 23 34 21 19	6 4 1 5 8 6 12 21 13 31 29 31 34
10 56 2 11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	17 23 9 27 13 23 18 25 23 34 21 19	4 1 5 8 6 12 21 13 31 29 31 34
10 56 2 11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	23 9 27 13 23 18 25 23 34 21 19 17	5 8 6 12 21 13 31 29 31 34
11 57 1 12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	9 27 13 23 18 25 23 34 21 19	8 6 12 21 13 31 29 31 34 45
12 58 6 2 13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	27 13 23 18 25 23 34 21 19	8 6 12 21 13 31 29 31 34 45
13 59 6 2 14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	13 23 18 25 23 34 21 19	6 12 21 13 31 29 31 34 45
14 60 8 5 15 61 5 6 16 62 8 5 17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	23 18 25 23 34 21 19	12 21 13 31 29 31 34 45
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	18 25 23 34 21 19	21 13 31 29 31 34 45
17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	25 23 34 21 19	13 31 29 31 34 45
17 63 13 13 18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	23 34 21 19	31 29 31 34 45
18 64 12 12 19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	34 21 19 17	29 31 34 45
19 65 12 20 20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	21 19 17	31 34 45
20 66 12 19 21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	19 17	34 45
21 67 11 33 22 68 16 39 23 69 15 21 24 70 13 21	17	45
22 68 16 39 23 69 15 21 24 70 13 21		
23 69 15 21 70 13 21	24	62
24 70 13 21	20	46
	16	27
25 71 19 11	22	22
26 72 20 7	22	16
27 73 9 10	9	14
28 74 20	20	2
29 75 17 8	17	10
30 76 3 1	3	4
31 77 5 3	5	12
32 78 2 1	2	5
33 79 2 1	_3	1
34 80		2
35 81 1	1	1
36 82 1	1	
37 83		
38 84		
39 85		
40 86		
41 87		1
42 88		
43 89		
14 90		1
45 91		<u> </u>
46		

Table 6.2 (Continued)

DATE 6 August 1956

TIME 1955-2015 CST

Post	10 - 1	min.	20 -	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47		38	2	83
2					48		47		97
3					49		65		115
4					50		43		81
5					51		23		39
6					52		1	1	5
7			1		53		2	2	3
8			T		54				1
9					55				1
10				·	56				
11	 		†	 -	57				·
12	 		 	·	58				 1
13	 		 		59			 	
14	 	}	ļ		60	<u> </u>		 	t
15	 	 -	 -	 	61	 	 		
16	 	 -	 	ļ ————————————————————————————————————	62	 	 		
17	 -	 	 	 	63	 	 	 	├
18	 		}	 -	64	 	 -	 	
19	 		 	 	65	 		 	
20	 	ļ	 -	 	66		 	 	
21	 	 	 -	 	67	 	 	 	
22	 -	├ ──	 	ł	68	 	 	 -	
23	 	 -	 	 	69		 	 -	 -
24	 	 -	 	 	70		 	 	
25	+		 -	 	71	·	 	 	
26	 		1		72		 	 	
27	 	 		 	73	 	 	 	
28	+	 	1	 	74		 	├	 -
29	 	 	 	 -	75	 	·	 	
30-		 	 		76	 	 	 	
31	 			 	77	 	 	 	
32	 	 	 -	ł- -	78	 	 	 	
33	 	 -	2		79	 	 	 	
34	 	 	1	ł- 	80	∤ ——	ļ	 -	├ <i>─</i> ─┥
35	 	·}	8	 	81	·	 	 	├ ───┤
36	 	 		· {- ·	82	 	 -	 	├ ──┤
30	 		12_	 	83	ļ	 	 	
37	5	 -	20	 	84	 	 	 	├ -
38	2	 	18	 		 	 	 	├
39	22	 	54	 	85	 	 	 	
40	25	l	48		86 87	 	 	 	├
41	58	 	97	} -		 	 	 	├──
42	55		108	 	88	 		 	├
43	30		49	1	89	ļ	 	 	↓
44	26		41	2	90	 	 	 	ļ -
45	8	8	$\frac{12}{2}$	23	91				ļ
46	.L	13	<u> </u>	29	ــــ ــــــ	L	<u> </u>	1	ll

Table 6.2 (Continued)

DATE 7 August 1956 TIME 1255-1310 CST

Post	10 - 1		20 -	min.	Post	10 -		20 -	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
_1					47	20	13	40	36
2					48	15	17	27	31
3					49	22	17	34	30
_ 4					50	18	22	25	42
5					51	20	15	26	34
6					52	12	20	15	34
_7					53	9	16	12	35
8					54	10	18	11	38
9					55	5	23	6	39
10					56	3	14	3	19
11					57		14	0	31 .
12					58	2	9	2	16
13					59		2		2
14					60		2		3
· 15			<u> </u>	 	61				
16				1	62		1		1
17	 			 	63				
18	 		 	1	64	·	†		
19	<u> </u>		 	 -	65		 		
20			1	 	66		 		
21			†	!	67	· ~	T		
22			 	 	68		†	 	
23	· · · · · · · · · · · · · · · · · · ·		ļ	 	69		†	 -	
24			 		70				
25					71				
26			†		72		1		
27					73		1		
28					74			1	
29					75				1
30			1	1	76			1	
31					77	1	 	 -	
32	1		1		78	1		 	1
33	2		2		79				
3.1	2		2		80		1	1	
35	5		5	<u> </u>	81	 	†		
36	6		8	1	82	† ··	1	 	
37	2	t	7	† ·	83		1	·	1
38	1		3	· †	84		 		
39	5	- 	17	·	85	1	· - ·		
40	4	2	11	3_	86		 		
41	5	$-\frac{7}{1}$	19	1	87			 	
42	9	8	43	11	88		†	 	1
43	10	2	24	14	89	1		·	
41	16	8	53	18	90		t	 	
		ı <u>v</u>				4			
45	17	6	37	16	91	I .			

Table 6.2 (Continued)

DATE 7 August 1956 TIME 1455-1516 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48		 -		
3	 				49				
4					50				
5					51		 		
-6	 		 -	ļ	52		 		
7	 				53		 		
8	 				54_		 	}	
9	 -				55		 -		
10	<u> </u>		 		56		 -		├
	 	 -	 		57	 	 		
11	ļ	ļ	ļ	ļ	58			 -	
12	 					 	 -		ļ
13	 -	 			59	ļ	 	 	├ ──┤
14	 	Ļ			60	ļ	 -	 	
15	<u> </u>				61		 		
16	 			l	62	 -	_		ļ
17	<u> </u>		1		63	L		!	
18.	<u> </u>	l	<u> </u>	l	64	<u> </u>	<u> </u>	L	
19	1	<u></u>	2		65		<u> </u>		
20	2		7	<u></u>	66	<u> </u>	<u> </u>	<u> </u>	
21	4	<u> </u>	10	l	67			1	
22	5		7	2	68			·	
23	7		24	2	69				
24	12	<u> </u>	29	7	70	l	<u> </u>	J	<u> </u>
25	6	4	17	11	71	J		1	<u> </u>
26	15	1	51	9	72		<u> </u>	L	<u> </u>
27	25	6	48	15	73				
28	32		62	11	74				<u> </u>
29	11	6	22	32	75			1	L
30	24	8	41	20	76				
31	36	13	57	34	77				
32	20	14	33	45	78		T		1
33	20	6	26	13	79				
34	1 7	25	17	48	80				
35	7	17	16	36	81		 		<u> </u>
36	2	19	3	32	82		1	1	
37	2	16	2	28	83	 	 	1	
38	1	24	1	34	84	 	 -	 	
35	1	17	1 1	23	85	 	 	 	
10		24	1	31	86	 	 	 	
41	 -	17	· -	18	87	 	 	 -	
42			 	14	88	 	 	+	+
		13	 	8	89	 	+	 	
43	 	7	ļ			 		 -	 -
44	ļ	5	ļ	5	90	 	+	 	
45	-	 		1	91	 		 	
46	<u> </u>	<u></u>	<u> </u>	<u></u>	Jl	<u> </u>			· I

DATE 7 August 1956

TIME 2255-2315 CST

RUN NO. 35-8

Post	10 -		20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1			l		47				
3			l		48	L			
3					49		L		
4					50				
5					51	[
6					52				
7					53				
8			I		54				
9					55				
10					56				
11			†		57				
12			!		58				
13		····			59			 	
14					60			 	
15			†		61	· · · · · · · · · · · · · · · · · · ·	 		<u> </u>
16	1		5		62				
17	2		4		63				
18	4	~	10		64			 	
19	4		18		65				-
20	15	· -	32	· 	66				
21	30		53		67	ļ 			·
22	13		24	-	- 68 - 61	 -	ļ	 	
23	58				69		 		
24	41		86 62		70			 -	
25	14	3	26	4	71		} 	ļ	
26	33	6	72	18	72	i			
27	12	17	24	35_	$-\frac{12}{73}$		 		
28	8	12	28	24	74		 	 	 -
29	i 3	40	9		75	· 	·		
30		36		88 63	76			ļ	
31	 	38	9 12	63	77				<u> </u>
32	-	29	12	60	78				
33	} 	12	3 2	50 28	78				ļ
34	<u> </u>	. 12	Z					} -	
_3.1. 35	 	20 14		40	. 80		· —- —	<u> </u>	
38		14 9			81	¦	 	!	ļ
37	 				82				
37		···		11 2	83				
38	 	-		} Z	84	·		 	ļ
39	 				85		! , • · · 		
40			···	, .	86				
41	 _		I		87				
42	 	 .	l		88				
43					89				
44].		90				
45					91				
46					[[· · · ·]				

Table 6.2 (Continued)

DATE 11 August 1956

TIME 2125-2145 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1		3		3_	47		 	- 	
2_	 	5		11	48				
3	 	3		6	49			· · · · · · · · · · · · · · · · · · ·	
4	 	8		14	50				
5	 	11		12	51		 		
6		5		9	52		 		
7_					53	·	 	 	
8	 	30		30	54		 	 	
9	 	26	 -	26	55				
10	 	3		3	56	ļ	ļ	 	
	 	108	ļ	108_	57		 -	 	
11	 	25		25	58		 -	 -	
12	 	12	<u> </u>	121		·			
13	↓		 	10	59	ļ			
14	 		 	17	60	ļ	ļ	 _	
15	1	ļ	1	52	61		↓	ļ	
16	2		3	28	62	ļ		 	
17	<u> </u>		4		63				
18	<u> </u>		28	1	64	<u> </u>	1	<u> </u>	
19	4		48		65			ļ	
20	30	L	46	<u> </u>	66	<u> </u> _	<u> </u>		
21	52	l	88		67		l	_	
22	50		173		68		l		
23	77		31		69			_	
24	17		38		70	l			l
25	55		18		71				
26	2			i	72			<u> </u>	
27			11	T	73]			<u> </u>
28		T		Í	74				
29		1		I	75				
30	1		[76		1		
31					77				
32			T		78				
33	1	1	1	1	79				
34	 	1	† 		80			<u> </u>	1
35	 	†————		1	81	1	 -	 	
36	··	∤		1	82	 	1		1
37	 	 		!	83	 	1	1	
38	 	 -	†	 	84	 -	 	 	
39	 	 	 	 	85	· ·		 	
40	+	 	 -		86	 	 	 	
41	 	 		 	87	†	 	 	
	 	 	 	 	88	·	 	· 	
42		 	 	 	89	 	 	 	
43	 	 	ļ	 -		 	 	ļ	
44	 	 	 	 	90	ļ	 -	 	
45			·	 	.01	 			
46	_L	<u> </u>	1	1	ـــــالـ	<u> </u>	L	1	.L

Table 6.2 (Continued)

DATE 11 August 1956

TIME 2325-2345 CST

Post	10 - 1	min	20 -	min	Post	10 -	min	20 - min.	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1	Source	400 111	Dource	100 111	47	- Dource	100 111	004100	100 111
2	 				48			 	
3	 				49				
4	 				50		 	 	
5	 				51		 	ļ	
6	 	 	·		52		 		
- 7 -		 -	ļ ————		53		 		\vdash
8	 	 	 		54		 		
9	 	 	<u> </u>		55		 		
10	 				56			 	
11	 -		 		57		-	 	
12	 	 -		 	58	 	 	 	
13	 	 		 	59	 		 	┝──┥
	 -	 	 	 -	60	 	 	 	
14 15	 	 	 	ļ	61	 	 	 	╂╼╼╼═┥
	 	 	 		62	 	 	 	
16	 	 	 		63	 		ļ	
17				 	64		 		
18	 				85		 	 	
		 	 		66	 -	 		
20 21		 	 		67	ļ	ļ.—	 	
22	 -	 	 -	 	68	ļ- <i>-</i>	ļ·	 	├ ──
23			 	 	69	 	 	 	}
24	 		 		70	 -	 	 	
25	 			 	$\frac{10}{71}$	 	 	 -	
26	 	 -		 	$\frac{11}{72}$	 	 	 	
27	 		<u> </u>	 	73	 	 	 	
28	 			 	74	 	 	 	
29	 	·	 	 -	75	 	1	 	1
30	 	 	2	 -	76	 	 	 	
31	2		14	 	77	 	 	 	1
32	8	 	18_	2	78		 	 	
33	10	† 	41		79	 	†		
34	26	1	50	5	80	 	 	 -	†
35	72	1	105	12	81	1	 	 	
36	38	3	46	24	82	 	 	 	
37	50	9	63	32	83	 	 	 	†
38	18	23	23	76	84	 -	 	 	
39	10	37	11	84	85	 	 -	 	
40	4	37	6	104	86	 	+	 	
41	┤ ~~~~	57	 	55	87	 	 	 	
42	2	35	3	43	88	 	 	 	
43	 	18	 	22	89	 	-	†	
44	 	16	1	16	90	 	+	 -	
45	 -	10	 	2	90	 	 	 	
46	 	2	-l -	2	1 1	 	 	 	+
40		2	<u> </u>	<u> </u>	JL		<u></u>	1	ــــــــــــــــــــــــــــــــــــــ

Table 6.2 (Continued)

TIME 0255-0315 CST

Post	10 -	min.	20 -	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
_ 1					47	24	13	58	24
2					48	26	22	53	38
3					49	26	33	49	61
4					50	26	20	60	45
5					51	29	18	54	58
6			1		52	19	27	36	56
7		 			53	23	22	30	45
8					54	7	23	14	39
9					55	13	23	15_	36
10	1			i	56	4	5	8	15
11	 				57	1	3	3	12
12	 				58	2	2	3	2
13				1	59	1	2	1	3
14	 	 	· · · · · · · · · · · · · · · · · · ·		60		2		1
15	 		 		61		 		- 1 -
16	 	 	 	 	62				├ ──
17		 	\	†	63	<u> </u>	 		
18	 		 		64				
19	 	 	 		65	 	 		
20	 	!			66	 	 		-
21		 	 		67		 		
22	 	 -	 	 -	68	 	 		
$\frac{22}{3}$	 -	 	 	 	69	 	 	 	
24	 	 	 		70	 	 		
25			 		71	†~ ~			
26			1		72		$\overline{}$		
27	 	 	 	ļ ————	73		 	 	
28	 	 	 	 	74				1
29	 	·	1	 -	75		† 		†
30	 	 	 		76	† 	†- 	 	1
31	 	1	 	<u> </u>	77	 	† 		1
32		 	 	1	78	† 	 	 	
33	1	1	1	 	79	1	1		1
34	T	 	1	1	80			1	
35	†	1	1	<u> </u>	81	1	 	1	1
36	- 	 	 	 	1 2	1	1	1	
37	 	1	 	 	83	1	1	1	1
38	- 	† 	· 	†	84	1		1	1
39	1		 	 	85	1	 	 	T
40	 	 	 	1	86	1	T	1	1
41	3	2	5		87	 	1	 	1
42	2	1	10	3	88	 	1	 	$\overline{}$
43	7	1	10	1	89	 	 	 	
44	8	1 1	20	3	90	 	1		1
45	6	9	22	17	91	 	 	 	
46	13	11	28	14	┧┝╌ <u>╌</u> ╌	 	1	 	
70				<u> </u>	JL	<u></u>			

Table 6.2 (Continued)

TIME 0455-0515 CST

Post	10 - 1	min.	20 -	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1	Ĭ				47	5	9	9	18
2					48	1	Q	9	18_
3					49		5	i	15
4					50				2_
_5					51				1
6					52	<u> </u>		1	1
7					53			ī	
8					54				
9					55				
10					56				
11					57				
12					58				
13	 				59				
14	 				60				
15	 			l	61	·			
16	 		 		62			 	
17	1		1	1	63	1	†		
18	† 	t			64		ļ	 	1
19	† · · · · · · · · · · · · · · · · · · ·		 \	 -	65	·			
20	†	1			66	i		† 	
21					67				
22	1	h	 	<u> </u>	68		 	†	
23					69				
24		1			70				
25					71				
26				1	72				
27					73				
28	1				74				
29			1	1	75		Ţ' 		
30				1	76		1		1
31				T	77				
32		1	2		78				
33			1		79				
34	1		1 2	I	80				
35	4		9		81	1			
36	6		8		82				
37	16	1	33	1	83			I .	1
38	11	1	34	4	84		1	I	T
39	28	ī	52	8	85		Î .	1	
40	29	17	49	40	86	1	1	Ī	
41	48	22	89	42	87		1	1	
42	35	29	83	71	88		1	1	1
43	30	51	31	97	89	 	 	1	
44	16	31	50	66	90	 	1	 	†
45	9	42	14	73	91		†	 	1
48	1	23	1-17-	31	╢╌┸┷╌╾	 	 	 	
	<u>, L</u>	1 60		7 31	JL				

Table 6.2 (Continued)

DATE 13 August 1956

TIME 2225-2245 CST

Post	10 - 1	min.	20 -	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48		I		
3					49				
4					50				
5					51				
6					52				
7					53				
8					54				
9	1	1	T	1	55				
10					56				
11	 -				57	 			
12	1	1	1	1	58		 	 	
13	 		·		59	 	 		<u> </u>
14	 	3	·	3	60		1	——	$\vdash \vdash \vdash$
15	 	1	1	1	61	 	 	 	
16	 	10	 	11	62		 		
17	 	1	 	1	63	 	 	 	+
18	+		 	30	64	 	 	 	
19	+	30 22	11	27	65		 	 	
20	2 2	33	40	41	66	 	 	 	
21	9	25	34	46	67	<u> </u>	 	 	
22	8	34	19	89	68	 	 ~		+
23	39	18	61	47	69	 	 	 	
24	21	28	25	76	70	 		 	
25	21	12	26	44	71	}	 	 	 -
26	38	2	41	5	72	 	 	 	
27	33	7	43	23	73	 	 	 -	
28	30_	1	48	5	74	 	 	 	
29	8	5	13	10	75	!	 	 	
30	16	2	31	7	76	 	 	 	
31	6	3	26	6	77	 	 -	 	+
32	2	1	13	1	78	 	 	 	
33	3	 	14	1	79	 	 		1
34	+	 	113-	1- 1	80		 	 	
35	1	 	5	 	81	 	 -	 	
36	· 	·	2	ł···	82		 	 	
37	1	 	$\frac{2}{2}$	 -	83	 	+	 	
38	 	 -		 	84	 	 	 	+
39	 	 	 	 	85	 	 	 	
		 	1 1	 	86	 	 	 	
40	 	 -	├ ──- ┴	 	87	 	 -	 	
41	 -	 	 	 		 	 	 	
42		 	 	 	88	 	 	 	
43		 	 	 	89	 	 	 	
44		 	 	 	90		 	 	
45	 	 	- -		91	 	 	 	
46	.i.,	L	L	L	ـــــان	<u> </u>	<u> </u>	1	1

Table 6.2 (Continued)

DATE 14 August 1956

TIME 0025-0045 CST

Post	10 - 1	min.	20 -		Post	10 -	min.	20 -	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	20	16	29	21
2			l		48	17	10	28	15
3					49	15	15	31	18
4					50	12	7	29	11
5					51	13	13	32	19
6	T		1		52	3	8	16	17
7	1				53	8	14	26	27
8	T				54	6	17	12	28
9					55	4	20	6	23
10		T	**************************************		56	5	21	. 8	24
11		†	·		57	t	12	1	15
12	 				58	1	6	2	7
13	· 		† 		59	 	1 i	~~~	1
14	 				60		1		1
15	 	 		1	61	 	1		1
16	 	 	 	 	62	 	 	l	i
17	 	 	 	 	63	 -	 		
18	f		 	 -	64	 	 -		
19	 		 	 -	65	 			
20		 	 	 	66	 -	 -		
21	+		 		67	 	 		
22	 	 	 	 	68	 	-	 	
23		 	 	 	69			 	
24	+	 	 	 	70	 	 	 	
25	 	 	 -	 -	71	 			
26	+	 	 	 	72		 	 -	
27	+	 	 		73		 		 -
28		 	 	 	74	 	 	 	
20	 -	 	 		75	 	 	 	
30	+	 	·	 -	76	 	 	 	
31		 	1	 	77	 	∤	 	
32	+	 -	 	 	78	-	 	 	 -
33	i	 	 	 	79	 	 	 	
34	1	 	2	 	80	 	+	 -	
35		 			81		 	 	
36		 	4	3	82	 	 	 	
37	2 2	 	3 17	1	83	 	 	 	
38	2	 	$\frac{17}{7}$	3	84	 		 	
39	2 7	3	26	8 17	85	 	 	 	
		1				 	 	 	
40	22	7	21	24	86		 	 	
41			45	34	87	 	 	<u> </u>	
42	18	7	50	37	88	<u> </u>	 		
43	20	6	11	29	89		 -	<u> </u>	↓
44	26	15	33	32	90	 			
45	17	19	20	36	91		 		
46	15	20	18	25	Д	1	1 _	1	1

Table 6.2 (Continued)

DATE 14 August 1956

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TIME 0255-0315 CST

Post	10 -	min.	20 - 1	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1	1 3333		- 55-55-5		47	1		2	
2					48	2		2	1
3	 				49	2		3	ŝ
4					50	7		15	.2
5					51	11	· · · · ·	22	4
6	†	 			52	7	3	17	10
7	 	 	·		53	27	8	59	26
8		1			54	27	16	65	31
9	<u> </u>	 			55	44	19	94	75
10	 	 -		<u> </u>	56	42	44	74	61
11	 	ļ	 		57	34	27	58	90
12	 	 	 		58	20	51	34	99
13	 	 	 -	· · · · · · · · · · · · · · · · · ·	59	11	40	19	34
14	+	 	 		60	5	15	10	23
15	 	 	 	 	61		14	1	12
16	 	+	-		62		2	 	5
17	 				63	 -	1	1	2
18	 	 	 		64		 	i	
19	+				65			1	1
20	 	 -	 		66			├	
21	· 		 	 	67			 	
22	 	 	 	 	68	ļ -	 	 	
23	 	 	 	 	69		 	 	├ ──┤
24	 	 	 	 	70		 		
25	+	 	 -		$\frac{70}{71}$		 	 	
26	·	 			72		 	 	
27	 	 		 	73		 	ļ	
28	 	 	 		74			 	
29		 		I	75				1
30	 	 			76			1	
31	 	·			77	ļ		 	
32	-	 	 -	 	78		ļ	 	
33	1	†		 	75	 	†	1	
34	1	 	 	† 	80			1	
35	†		-	 -	81		 	 	\vdash
36		†	 -	 	82		† - 	 	
37	1	1		1	83	<u> </u>	 	 	
38	1	 -	 	 	84		†	1	
39	1	 			85	·	 	 	
40	1	1	1	1	86	 	 	1	
41	 	 	1		87		 		11
42	 	 	 	 	88	 	-	1	
43	 	 		1	89	<u> </u>	1	1	
44	 	 		 	90		+	 	
45	 	 	 	1	91	 	 	 	
46	+	 	1	 		 	 	 	
<u> </u>	-L				J L	<u> </u>	4		<u> </u>

Table 6.2 (Continued)

DATE 14 August 1956

では、「これのでは、「これのでは、「これのでは、「これのできない。」というとうない。 「これのできない 「これのできない」というというできない。 「これのできない。 「これのできない。」 「これのできない。 「これのできない。 「これのできない。」 「これのできない。 「これのできない。」 「これのできない。 「これのできない。」 「これのいできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできないのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「これのできない。」 「

TIME 0455-0515 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48				
3					49				
4					50			1	
5	 				51				
6	 		 		52			1	
$\frac{1}{7}$	 		 	 	53	2	1	2	1
8	 -	 			54	2	i	3	1 i
9	 -	 	 	 	55	3		4	
10	 		 		56		1	9	2
	 	 	 	 	57	6		11	3
11	ļ <u> </u>		 	 		5	2		
12	ļ <u>.</u>		ļ		58	19	9	34	13
13	ļ <u> </u>		. .	 	59	14	5	28	11
14	 	L	<u> </u>	ļ	60	28	9	52	25
15	ļ		L		61	25	12	52	31
16	L		L	L	62	33	2?	66	50
17	<u> </u>	L	<u> </u>	l	63	26	48	58	108
18					64	26	28	41	69
19					65	17	34	42	59
20					<u>66</u>	16	24	34	45
21		L			67	7	20	18	28
22		1			68	4	13	9	22
23		T .			69	4	3	7	4
24			T		70	1	1	4	2
25			1		71	1		2	1
26					72	1	1	1	1
27					73		1		1 1
28	 	†	 	·	74		-		†
29			1	1	75		1		
30	 		 	 	76	 	 		
31	 	 	+	1	77	 	 	 	 -
32	 	1	 	 	78	1	1	 	1
33	+	 		 	79	 	†	 	
34		 	 	 	80	 		 	+
35	+	 	·	+	81	 	 	 	
36	 	 	 	 	82	 	 	 	
37	 	 	 	 	83	ļ	 	 	
38	 	 	 	 		 	 	 	
	 	 	 	 	84	 		 	
39	 	 	 	 	85	 	 	 	
40		 	 	+	86	 	 	 	
41			4	 	87	 	<u> </u>	 _	
42	ļ	 		 	88	 		ļ	
43	<u> </u>	<u> </u>		J	89	ļ		<u> </u>	
44			<u></u>		90	<u> </u>			
45			J		91	<u> </u>	L		1
46	1		1]		

Table 6.2 (Continued)

TIME 1155-1215 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	24	20	41	33
2					48	7	13	14	21
3					49	6	14	8	31
4					50	3	9	10	21
5				1	51	6	8	10	14
6					52	2	4	3	11
6 7					53	i	4	2	12
8	7				54	2	5	3	10
9					55	1	1	3	3
10					56	1	1	2	1
11					57		2	1	2
12				1	58		5	1	8
13	1				59		1	1	1
14	†	1			60	1	i	3	i
15	<u> </u>				61		1	2	1
16	 	 		···-	62		 		
17	1		1		63			 	
18	1	 	1		64				
19	1		1	†	65			1	·
20		1			66		†————		
21			1		67		 	 	
22	 	† -		 -	68	ļ ————	 -		
23	1	 	2		69	<u> </u>	 		
24	1		2		70				
25	1	1	1	†———	71		1		
26			2	1	72		1		
27	1		2	1	73	[
28	4		8	1	74				
29	7	1	1	4	75		1		
30	5		9	2	76				
31	7	1	17	4	77				
32	8	1	11	4	78				
33	1 7	3	18	4	79				
34	11	1	24	9	80				
35	5		16	7	81				
36	5	3	14	10	82		T	T	r1
37	14	7	25	13	83			1	1
38	15	10	18	16	84	1	T	1	
39	17	4	33	13_	85		1		
40	8	11	14	23	86	1		†	
41	13	6	30	19	87		<u> </u>	1	
42	9	15	30	31	88	 		 	
43	1-11-	17	20	34	89	 		†	
44	22	20	37	37	90		† — —	† 	1
45	_10	31	22	46	91		T	1	
46	12	23	20	32	1		 	 	
L <u>.,</u>	J * ≛	1 63	<u> </u>	⊥ - <u>≥</u> 6	ــــــــــــــــــــــــــــــــــــــ		┸		L

Table 6.8 (Continued)

TIME 1355-1415 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	3	9	8	14
2					48	22	5	2	6
3				1	49		11	2	12
4					50		2	1	4
5					51		1		1
6				1	52				2
7	1		 		53		1		1
8				1	54		3		3
9				1	55				i
10	1			1	56				
11	 		l —————		57		1		1
12				<u>i</u>	58		1	 	
13	1			i	59		 		
14	 			$\frac{1}{1}$	60		 	 	
15	 		 		61.		 	 	
16	 	 		2	62	 	1	 	
17	 		0	3	63		1	 -	
18	 		3	6	64	 	 	 	
19	 	1	Ü	5	65	 -		 	
20	 	† 	2	1	66		 	 	
21	5	1	8	5	67		 -	 	
22	2	3	9	13	68		 	·	
23	5	1	16	4	69	 		 	
24	2	· · · · ·	8	7	70		 		
25	4	1	4	9	71				
26	5	3	7	8	72		 	 	
27	4	3	10	8	73	——			
28	14	4	23	7	74		 		
29	4	1	8	7	75		†	 	
30	14	6	20	16	76		 	 	╆━━
31	10	13	21	26	77		+	 	
32	12		19	14	78	†·	·	 	
33	16	6 5	27	6	79	 	+	 	
34	9	10	15	21	80	 	 	1	·
35	18	3	32	12	81		 	 	
36	12	12	21	17	82	 	+	 	
37	111	10	18	22	 −83 −	ļ	 	 -	
38	- } — — -	·	23		84		+	 	
39	13	16 10	39	20	85	 	 	 -	
40		1	13	16	86	·	+	 	
41	55			40	87	 	+	 	
42	-21	15 15	41	28	88	 	 	 	
43	10	12	27	28	89	 	+	 	
	4	9	12	17					
44	10	13	24	18	90	ļ	·	 	
45	5	15	11 -	26	91	ļ		 	-
46	3	8	6	11	. ـ . ـ . ـ . ـ . ـ . ـ .	L	J	<u> </u>	<u> </u>

Table 6.2 (Continued)

DATE 15 August 1956 TIME 1655-1715 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	2	5	2	7
2					48		3		4
3					49		3		4
4					50				1
5					51				
6	+				52		1		
7					53		1		2
8					54				
9	1				55				
10	 				56		†	· · · · · · · · · · · · · · · · · · ·	
11	 	<i></i>			57		 		
12	 				58		 		
13	 	 -		 	59		 		1
14	 		 	 	60	 	 	 	
15	 		1	 	61			 	 -
16	 	 	 		62	† - 	 	 	
17	 		 		63		 		 -
18			 	 	64		 		
19	 		1	 	65		 -	 	
20	 	 	 	ļ	66	†	 	 	
21		 	 	 	67	·	 	 	
22	-		† <u>i</u>		68 -	 	+	 -	
23		 	2	 	69	 	 	 	t
24	-	 	1	 	70	 	 	 	
25	· 	{ 	2	i	71 -	ļ	 	 	
26	·i	·	i		72	i	 	 	1
27	· 	 	1 2		73	 	 	 	
28	11		6	5 2	74_	<u> </u>			1
29	- · · · • · · · · · · · · · · · · · · ·	1	6	3	75		†- 		1
30	ī	 	- 6 12	12	76	 	1	 	— —
31	1	2	15	3 2 9	77	1	 	 	
32	2 5	3	15	7	78	 	 	 	
33	16	2	38	2	79	 	1	 	
34	16	10	33	22	80	1	1	 	
35	38	8	64	12	81		+	 	
36	15	4	29	11	82	 	 -	 	
37	38	19	70	38	83	 		 	
38		12	1	49	84	 	 	 	
39	20	22 33	39	46	85	 	 	 	
40	20	20	21	62	86	 	+	· 	
41		32	$\frac{21}{21}$	47	87	 -	 	 	
41	14	$\frac{21}{21}$	33	48	88	 		 	
	18	31	33	35	89	 		 -	
43	7 -	16	10	35		 		· 	
44	8		10	20	90	 	 	 	
45	3	5	5 2	9	91	 		 	
46	2	T	<u> </u>	T 8 -	Ji	<u> </u>	J	<u> </u>	_

Table 6.2 (Continued)

DATE 15 August 1956

TIME 1840-1900 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47		l		
2					48		l	<u> </u>	
3					49				
4					50				
5					51				
6	1				52				
7	1				53				
8					54				
9					55				
10					56				
11				1	57	1			
12	1		1	 	58				
13	1		† -	 	59	<u> </u>	T		
14	1	3	2	3	60	 			1
15	1	2	2	3	61	 	 		
16	5	7	14	12	62	 		 	·
17	4	3	12	6	63		 		
18	8	15	24	27	64	 	 	 	
19	22	36	23	51	65	 	 	 	
20	16	15	43	18	66	†			
21	23	23	45	40	67	·			
22	39	30	32	45	68			 	
23	19	17	65	33	69		 -	 	
24	14	12	40	35	70	† 	 		
25	24	19	26	39	71	1	†	1	1
26	15	8	53	23	72_	·[
27	25	12	40	39	73	 	 	 	
28	2	10	27	21	74	·	1	 	
29	8	17	5	38	74	†	1	1	
30	1		6	20	76	 	1	1	1
31	3	3 3	6	12	77		† ———	 	1
32	4	4	8	8	78	 	 	1	
33	3	1	4	8 3	79		†	 	
34	1	·†	1		80			 	
35	† i	1		<u>2</u>	1 81		†·	 	† -
36		·}· · - ·	·	} -	82	\ ^ · · -	·	 	
37	+	 	- 	+	83		1	1	
38		 	·	· -	84		 	 	
39	·+ ·	 -	- 	-	85	- 	 	·	+
40		 		· 	86	· 	 -	 	1
41	+-	 	 	+	87	 	 	 	+
42		 	+	· + · · · · · · · · · · · · · · · · · ·	88	 	+		·
43	+	 			89		 -	 	
	- 				90	+	+		
44	- 	+			90				-
45	- -				1- 81 -	· · · · · · · · · · · · · · · · · · ·			
46	_1			<u> </u>	JL		J		

Table 6.2 (Continued)

TIME 0955-1015 CST

Post	10 - r	nin.	20 - 1	min.	Post	10 - 1	nin.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
_1					47		1	1	1
2		i			48			1	
3					49_		1	4)
4					50		1	7	
5					51			6	
6				7	52		2	4	2
7					53		2	4	2 2
8					54		2	5	2
9					55		1	7	1
10					56			6	
11					57		5	3	6
12					58	3	4	6	4
13					59		2	3	4
14	1				60		8_	2	9 :
15					01	3	3	5	5
16	1				62	1	2	4	5
17	1		·		63	3	9	7	14
[i: "					64	3	8	6	12
19	• • • • • • • • • • • • • • • • • • • •				65	3	9	9	11
20)		66		9	5	11
21					67	4	14	11	18
22	<u></u>			1	68	4	21	6	26
23	ļ 			1	69	<u>2</u>	15	9	18
24					70	9	18	18	20
25				1	71	6	24	13	31
26					72	16	24	25	34
27				·	73	4	10	10	25
28	1				74	11	4	21	8
29	ì				75	12	15	36	26
30					78	4	11	12	21
31				Ī	77	16	5 -	32	20
32	1]	78	16	2	31	9
33	i	I			79	13	5	20	26
34				Ī	80	5	1	6	15
35	1	•	!]	81	20		24	8
36		•		1	82	25	1	29	14
37		1		T	83			4	5
38			1	1	84	25	1	34	6
20	1	!		1	85	6	1	7	5
40	1	i		1	86	7	T	9	3
41	i	• • == · · · · · · · · · · · · · · · · ·	j	!	87	6]	4	5
42	1		<u> </u>	•	∯ 88	2	1	1	9
1 4 3		<u> </u>	1	•	69	1	1	8	1 8
14	<u> </u>	• • • •	† • • • • • • • • • • • • • • • • • • •		90	7	1	1	7
45	1	1	[†] 1	•	1 9j	1	1	3	4
16	1	† I	:	İ	l' on	2	1	1	16
ι	1	-	•	•	Scale	•	l I	!	1

Table 6.2 (Continued)

SEESE TRACECULAR PARENTES SEESESSEES SECURIORS CONTROLL PARENTES CONTROLLES

TIME 0855-0915 CST

Post	10 -	min.	20 -	min	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1			l		47				
2					48			1	
3					49				
4					50				
5	1	[51				
6					52	2		4	
7			T		53	1		6	2
8	1				54	4	2	7	5
9	1				55	3	2	10	4
10					56	8	6	25	8
11	1	1			57	2	10	15	15
12	 				58	9	18	29	29
13	†	1	 		59	13	9	32	26
14	 	 		 	60	29	23	58	42
15	 	 	l		61	9	26	31	44
16	 	 			62	32	19	53	40
17	$\overline{}$	 	 		63	14	42	29	89
18	 			 	64	35	30	59	53
19	 			· · · · ·	65	17	20	30	39
20	1		 	 	66	14	14	26	36
21		 	·-·-		67	15	3	24	15
22	†		 -		68	13	8	16	17
23	 	 		 	69	7	2	10	6
24	 		 	 -	70	7	3	7	4
25	+			† 	71	5	1	6	† 1
26	<u> </u>	 	 	†- 	72	1	1	1	1
27	· †	<u> </u>		† 	73	 	1		1 1
29	 	 	 	1	74	 	 	 	
29		·			75	 	 		
30	 	 	 	 	78		 	 	ļ
31	 -	 	 	 	77	·	 		
32	-	 	1	1	78	 	 	1	†
33	 	 	1	†	73	† -	 		†
34	†		†	†	30		 	 	†
35	 	·	 		81	ļ —	†	 	
36					82	† · 	 	 	†
37	 	 	 	·	83	 	 	+	+
38		· · ·	·	 	84	h	 	 	
30	- 	 	 	+	85	 	 	 	+
40				 	86	·	 	 	+
41	+	·	†	· 	87	+	+	 	
42	 	 	 	-	88	 	 	 	
43	+	 	 	 	89	-		 	
	-		 	 	90	f		 	
44	- 		·			·	+	 	·
45			· · · · · · · ·		01	↓		}	.
46	_1	1	_L	1	۔۔۔۔الـ	1	.l	1	1

Table 6.2 (Continued)

TIME 1055-1115 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	10	6	18	14
2					48	6	5	19	10
3					49	6		16	12
4					50	8	9	12	12
5					51	13	8	24	17
6					52	8	10	17	20
7	1	·			53	8	15	28	27
8	 -		1		54	3	11	19	21
9	T				55	22	16	39	34
10	 		·		58	15	14	37	31
11	 	 	···		57	14	19	24	44
12	 	 	 		58	20	23	49	48
13	 	 -	 	 	59	19	13	26	25
14	 	 	 	 	60	20	18	38	30
15	+	 	 	 	61	12	18	$\frac{36}{20}$	28
16	 	 	 	 	62	14	9	25	16
			 		63	7	15	10	29
17	 	 	 	ļ	64		5	8	12
18	-	 	 	 -	65	6	3	5	8
19		∤	 	ļ		4			
20		 -	 	ļ	66	2	9	5	10
21	 	ļ	 	ļ	67	3	2	4	2
23	 		ļ <u>.</u>		68		2	ļ	3
23	 		 		69	ļ	2_	ļ	2
24	· 	 	J		70	↓	 _	}	ļ
25_		<u> </u>	 		71	↓		ļ	
[':6]		↓			72	ļ	 -	ļ	ļ
27	 	 		 _	73		 		ļ
28	 _	l			74	<u> </u>	 		
29		<u> </u>	<u> </u>	<u> </u>	75	ļ			<u> </u>
30			1	<u> </u>	76 77	<u> </u>			 _
31	-L	l	<u> </u>		77		<u> </u>	<u> </u>	L
32			I		78	1	1	l	
33					79				
34		1		Ĭ	80			1	
35	Ţ	<u> </u>		<u> </u>	81				1 _ :
36	1	I		1	82				
37	1	1	1		83				
38	- -	1	- 		84	1	1	 	
30	1	1	 	1	85	†		1	
40			 	 	86	 	 	1	†
41	2	1	2	† ₁	87	 	1	 	
42	3_	 	4	12	88	1	 	 	
43	2	 -	 	 	89	 	 	 	
		 		 -	90	 	 	 	
44		\$- -		-	91			 	
45	3		8	14	- 11 -		·	 	
46	4	1 1	10	1 2	J	L	l	1	حـــــه ل

Table 6.2 (Continued)

DATE 21 August 1956

TIME 1355-1415 CST

Post	10 - 1	min.	20 -	min.	Post	10 - 1	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1	30 21 30				47	i		1	
2	 				48	1		1	
3	 				49				
4	 -				50			1	1
5	 			 -	51	2		3	2
6	 		 		52		1	2	2
7	ļ	ļ			53	2	1	2	4
8	 	ļ	 		54	4-	5	4	4
	 	 	 		55	10	4	14	7
9	ļ				56	$\frac{10}{7}$	5	13	8
10	 			·	57				14
11			 		57	7	10	13	
12	 		 -		58	13	16	25	26
13		ļ	Ļ _	<u> </u>	59	9	8	21	13
14	ļ	Ļ			60	16	27	31	29
15		L	L	ļ	61	17	27	24	42
16	L	ļ	 		62	15	16	35	25
17	<u> </u>	<u> </u>	l		63	10	21	21	37
18	<u> </u>	<u> </u>	<u> </u>	L	64	15	9	30	29
19		L		L	65	14	18	29	28
20			<u> </u>	L	66	11	12	34	25
21	1		L	<u> </u>	67	16	13	28	29
22			l		68	17	16	31	50
23		L	<u> </u>	<u> </u>	69	18	9	34	24
24		I	<u> </u>		70	13	13	30	32
25		<u> </u>			71	5	8	13	18
26		I <u>.</u>	<u> </u>		72	10	<u> </u>	23	9
27	<u> </u>	l	L	<u> </u>	73	4	1	6	5
28			l	<u> </u>	74	1	ļ. <u></u>	2	1
29			<u> </u>	<u> </u>	75	<u> </u>	ļ <u></u>	4	2
30_					78	1	1	1	4
31			1	L	77_	1	1	2	1
32			1	1	78				2
33		I	1		79				3
34	T]	1	80	1			
35	T .	T		T	81	1	I		1
36	 			1	82	Ĭ			1
37	1	 			83	,]
38	1	† -	<u> </u>		84	 		1	1
39	 	†	1	1	85	1	T		
40	 -	 -	1	·	88	1	1	 	
41	 	1	 	 	87	 	 	1	1
42	· 	1	 	1	88	· · · · · · · · · · · · · · · · · · ·	1	 	
43	+	+	 	†	1 80	1	1	 	+
44			 -	+	90	 -	 	 -	
45	+	 -	 -		91	 	 	 	
46		 -			╬╌ ╵	 	·	 	
10	_ .			∔	ــــــــــــــــــــــــــــــــــــــ		J		. l .

Table 6.2 (Continued)

TIME 1525-1545 CST

Post	10 - 1	min.	20 -	min	Post	10 - n	nin.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48				L
3					49				
4					50				
5			 	 	51				
6	 			 	52				
7_			 	 	53				
8	 		 -		54				
9	 		 		55				
	 				56				
10	 		 	 	57				
11		ļ	 	 	58				
12	ļ		 		59				
13	 _	 	 	 	60				
14	 		ļ	ļ	61	<u> </u>			
15	<u> </u>	<u> </u>	_	ļ					┼
16	 	 	 -	↓	62			2	
17	<u> </u>		<u> </u>					5	
18	<u> </u>	<u> </u>		ļ	64	3	4	7	1-4
19_			<u></u>	. .	65	 	4		
20		<u> </u>	·		66	<u> </u>	1	8	8
21	<u> </u>	<u> </u>	<u> </u>	.	67	3	8	9	13
22			J		68	2	19	11	13
23	I	<u> </u>		 _	69	3	12		19
24		.l	<u> </u>	.	70	4	10	8	19
25				J	71	6	19	- 00	31
26		<u> </u>			72	12	15	22 13	20
27				J	73	8	17	13	28
28_					74_	·	-7	29	38
29	1	J			75	22	21	33	13
30	1		. I		76	6	13	18	13
31	7		I		77	14	18	30	27
32				1][78	14	9	39	32
33		T		1	70	17	8	26	31
34	1	- · 			∐ 80	15	8	21	13
35	-1][81	18	4	28	28
36		· · · · · · · · · · · · · · · · · · ·			82	25	11	37	26
37					83	10	9	15	14
38	-			1	84	17	5	32	25
30	-	- 		-1	85	17	5	13	7
40	- 	-1			86	6	2	10	24
ŀ 3ĭ~·	·			-	87	1 4	3	8	3
41					88			18	9
1-12-			+		- 80	1	1	3	4
43	.		.	_	1 00	2		10	10
44					01	-	1	4	
45	.		.	- · · · · · · ·	· 17 ·	-{· - {		4	
40	1	1	1		J Off Scale	1		4	1

Table 6.2 (Continued)

TIME 1110-1130 CST

Post	10 - 1	nin.	20 - 1	min.	Post	10 -	min.	20 -	min.
No.	Source	450 ın	Source	450·m	No.	Source	450 m	Source	450 m
1	002.00		2		47	- 50-100	100		
2			1		48		 		
3					49			·	
4	2		2		50				——— <u>—</u>
5	1 1		2		51		 		
6	 		2		52		 		
7	1		3		53		 	 	
8	6		3 9		54		 		
5	5		9		55				
10	5 7		8		56		 	 	
11	9		25		57	<u> </u>	 	 	
12	10		27		58		 	 	
13	5		15		59	 	 -	 	
14	9		$\frac{1}{21}$		60	 	 		
15	3		12	 	61	<u> </u>	 		
16	12		34		62		 	 	
17	8		+ 18 -	ļ	63		 	 	
	8	ļ <u>-</u> _	26	 	64		 	 	
18	6	ļ	14		65	ļ	 		
19 20	16		35	} · · 	66	ł·		 	
	12		24	ļ	67		 	 	
21		<u> </u>		·	68	}	 	 	
22	5		9	l	69	 	}	 	
23	15		27	····	70		 	 	
24 25	8		21	·	71		<u> </u>	 	
	2		2	 	72	·	l	 	
26 27	13		20	 	73	 	ļ	 	⊹
28	5		10	·	74			 	
29	6		12		75		·	 	├
20	3	 	4	∤	78	·	· · - ·	 	ļ
30 31	6	 -	10	 	77	ł—	 	 ~	
	14	 	10	ļ ———	78	 -	-	 	
32	6		10		79	ļ	 	 	
33	4	ļ. 		· · · · · ·	80		}	 -	·
34	3	}	9	·	81			 	
35	8				82	 	 	 	
38 37		ļ		 -	1-02	 	 	 	
37	6	ļ	8	 	83	 	 	 	
38	3	ļ	5	 	84	 	 	 	
39	5	ļ	5	 	85	ļ		·	
40	2	L	3		86		 -	 	
41		ļ		 	87	 	- 	ļ	
42		ļ	·	ļ	86		· ·	4	
13	· ·	.		<u> </u>	89				
44					00				
46	- 			ļ	01			 	
46	. L	L	1	1	JL	<u>L</u>	1	1	l

Table 6.2 (Continued)

The second of th

TIME 1955-2015 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Eource	450 m	Source	450 m
1					47				
2					48				
3					49				
4	1				50				
5					51				
6					52				
7	1	1			53				
8	1		<u> </u>		54				
9	1				55				
10			 		56				
11	 -		 		57				
12	 		 		58			L	
13	 	 -	 		59		 		
14	†	 -			80	 	 		
15	· 	 	 	 	61		 		
16	 	 		 	62	 -	 	ļ	┼╌╌╌┤
17	1 1		2	 	63				 -
18	3	1	5	2	64		 		├ ~~~~~
19	7	15	12	20	65	 	 	ļ	
20	30	31			66	 -	 -	 -	
21			41	29	67	 	 	 -	
22	61	92	112	137	68 -	 	├	 	
122	27	83_	63	123	69	 	 	 -	
23	65	11	128	72	70				
25	26	17	67	90	71	ļ	·		
-23 -	8	+·	21	5	72	··	 		
26	 	 	21	 	1 - 16	 	 	ļ	
27 28	11_	 -	2	 -	73 74	 		 	 -
20			┥	 	75	 	·	 	 -
20	· 		 	}	76			ļ	
30	 _1_	- 	1	 	 70 -	 	 	 	/
31		- 	ļ	 	77		 	 	
32		ł	 	 	78	 	 -	 	
33	 	+	 	 	79	·	 	 -	
34		·}	·	 	80	 	 		
35	 _		 	 -	81	 	 	 	
36		·	 	+	82	<u> </u>	 		
37	1	<u> </u>		 -	83	<u> </u>			
38		·		<u> </u>	84	.	<u> </u>		
30		<u> </u>	1	<u> </u>	85	ļ	<u> </u>		ļ
40		L	1	1	86	1			
41_			1		87	<u> </u>			
42	1				88		I		1
43]]	89	1			
14					90	I	7	I	I
45	T			1	01	1		1	
40		1		1	1	7	·		7
40	.L	L	J	<u></u>	Jl	<u> </u>	J	l	1

Table 6.2 (Continued)

TOTAL PERSONAL PROPERTY PROPERTY AND PROPERT

TIME 2155-2215 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1	00000		333,33		47		100		
2					48				
3					49				
4					50		-	 	
5	 				51		 		
6	 				52		 		
7					53	 		 	
8	 				54		 	 	
9			 		55		 	 	
10	 		 		. 58		 		
11					57			 	
12		 			58		 	 -	
13	 		 	 	59	 	 	 	
14	 	 	 		60	 	 	 	
15	 		 		61	 	 	 	
16	 		 . 		62	 		 	
17	├── ┴──	 	 1	 	63	 	 	 	
18	 	 	 	 	64	 	 	 	 -
19	 	 	 !		65	 	 -	 	
20_			1-1-	 	66	·	 	 	
21	11		8		67	 -	 	 	
22		<u>6</u> 11	20	8	68	 		 	 -
23	24	10	14	14	69	 	 	 	
24	25	21	55	38	70	 	 	 	
25	18	32	30	50	71	 	 		
26	45_	24	90	47	72	 	 	 	
27	36	39	72	67	73	 	 	 	
28	41	21	74	48	74			 	 -
29	4	. 28	17	75	75	 	 	 	
30	9	16	22	48	76	 	 	 	
31_	4-4	12	11	31	77	 	 	 -	
32	1 1	11	4	19	78	 	†	 	
33	2	2	 	9	79	 	 	 	1
34	2	3	5	8	80	 	 	 	
35	 •	2	1	5	81	 	 	 	
36	 		 	 	82	 	 	 -	
37	 	 	†		83	 	1	1	
38	2		2	 	84	 	 	 	
39	 	 ~	1		85	 	 	 	
40	 		 		86	 	+	†- 	
41	+		 -		87	 	 	 	
42	+	 	 		88	 	 	 	
43	 	 	 	 	89	 	 	 	
	 	 	+		80	 	 	 -	
11		 	 	 	1 · · · · · · · · · · · · · · · · · · ·	 	·	 	+
45	 	 	 	∤ -	91	+	·+	 	+
46	l		<u> </u>	<u> </u>	ـــ ـــ ــالـ	<u> </u>	<u> </u>	<u> </u>	┸

Table 6.2 (Continued)

the property of the property o

TIME 0055-0115 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47				
2					48	<u> </u>	L		
3					49		1		1
4				1	50				
5	1				51				
6	1			T	52				
7	1	1			53				
8		1			54				
9				1	55				
10				1	58				
11	 	 		†·	57				
12	 	 	 	 	58	 			
13		-	 	+	59		1		
14		 			60		<u> </u>		
15	 -	 	 	-	61		 	 	
16	 	+	┿	 	62	 			
$\frac{10}{17}$		 	 		63	 	 		
18			 	 -	64		 	 	
19		 	 -	 	65	 	 		
20		 	i	 	66	 		 	
21		 	 	 	67	 	 	 	
22			 -		68		 		1
23		 	ļ		69	 	 	 	
24			1	 	70	 			T = T
25			 	 	71	+	1		1
26		· 	7		72	 	 -	 	
27	3	2	6	2	73	 	 	 	
28_	8		17	+ 	74	 	 	 	
29	3	+	6		75		1	 	
30	10	4	22	7	78		 		
31_		5	40	8	77	 	+	<u> </u>	
32	21			19	78	+	 	+	1 -
33_	22	9	55 62	12	79	 	+	 	1
34	36		67	46	80	1		 	1
$\frac{34}{35}$	34	22	76	55	81				
_ <u>35</u>	39	28			$\frac{1}{82}$	 	+		
30	18	23	36	45 83	83	 	 	+	1
37	23	40	15	77	84	 	+	+	
38	10	37	15	52	85	 	+	 	+
39		24	15		88		+	+	
40	2	21	6 3	35 23		+	- 	+	
41			1 3 -	23	87	+	+	+	-
42		2	2	5	88			 	
43	1_1_	3	2	6	89	- 		 	
11	1	2	11	2	90	- 			-
45		1 1	J		91				
46	1	1	_1	11	JL	1		ــــــــــــــــــــــــــــــــــــــ	

Table 6.2 (Continued)

TIME 0255-0315 CST

Post	10 - 1	min	20 -	min	Post	10 - 1	min	20 -	min
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1.0.—	500100	400 111	Doutce	430 111	47	Source	430 111	Source	400 111
2		_			48				
3_	1				49				·
4					50			 	
5	1				51			·	
6					52		-	- 	i
7					53				
8_					54		 		
9					55		ļ ———		
10	<u> </u>				56				
11					57				
12	-				58	·			
13_					59				
14					60			1	
15			† 		61		 	 	1
16					62			 	
17					63				
18			1		64				
19					65				
20		ī	2	1	66		1		
21_		1	1	1	67	Í			
22					68				
23	1		8	3	69				
24	2		14	7	70				
25	ļ	4	2	. 15	71			<u> </u>	<u> </u>
26	5		19	8	72				
27	3	3	18	18	73		J		
28	8	3	24	_16	74		l	\	ļ
29	9	88	13	32	75	<u> </u>			
30	18	13	31	_26	76				ļ
31	49	_24	78	46	77	 _	<i>}</i>		
32	26	_26	41	36	78	 	ļ	 _	
33	36	12	47	15	79			 	
34	27	29	52	50	80	ļ			·
35	22	33	50	48	81				
36	10	24	16	37	82	 	 	 	i
37	11	22	34	43	83	ļ	ļ		
38	6	20	8	35	84		ļ	 	
39		6 5	13	14	85	 	 	 	
40	2	3	3 4	15	86		 	·	
41	 2	3	4	8	87			 	
42				5	88		ļ	 	
43	 	 			89	 	ļ		
44	↓	ļ	 	ļ. <u> </u>	90	ļ		 	
45	 	ļ	 		91	 	.		
46	<u></u>	<u> </u>	1	<u></u>	JL	<u> </u>	<u> </u>	1	.

Table 6.2 (Continued)

TIME 1725-1745 CST

Post	10 -	min.	20 -	min.	Post	10 - 1	<u>min.</u>	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	1		7	
2					48	1		7	
3	 				49	9	1	23	3
4	 				50	5	-	11	12
5_			 -		51	14	3	36	9
$\frac{-3}{6}$	 				52	15	6	32	13
	 -				53	18	8	40	18
7	 	ļ	 	 	54	19	7	39	21
8	 	!	 -		55	19	19	42	40
9				 _		30	17	49	34
10					56			30	41
11	<u> </u>				57	13	22	60	50
12		L	L		58	37	30		
13			l	L	59	15	12	28	27
14		1			60	18	26	30	57
15	T				61	6 5	22	12	38
16_	+				62	5	17	8	28
17	 		1		63	4	16	5	35
18	·	 	 		64	_5	14	6	19
19	+	+	+	 	65		6	1	16
20	+	 	 	 	66		4	1	6
21	+	 	 	 	67	2	6	2	7
22		+	+	 	68	 	4	† 	5
23	+	 	 -	!	69	1	+	1	1
24		 	 	 	70	 	 	1	1
25		- 			71	 	 	 	
		 	+		72	 		 	
26 27		 			73	 	 	 	
	- 		+	 	74		 	 	+
28	+	- 	 		75	 	 	1	1
29		+	+		76	+	 	 	
30		 		+	77		- 		+
31		 	 		78				
32		 -	 -		79	+			+
33					80	 			+
34			J						
35	_l	_			81	 			
36	_i	<u> </u>	J		82		_		-i
37		J	<u> </u>		83		_		
38		1			84	<u> </u>			 -
39				_l	85				
40					86	J			
41	1			L	87				
42					88				
43	 	+	 		89				
44	-+				90	1			
45	+	+			91				
48	3	-	6		┪┝═╌┸╧╌╌	 			1

Table 6.2 (Continued)

TIME 1925-1945 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	24	36	71	53
2					48	6	56	22	78
3_					49	4	79	17	137
					50	2	35	5	89
5					51		11	2	63
6					52		6	2	25
7			-		53	2	2	3	11
8					54		2		5
9	†				55			Ţ <i>-</i>	
10	 		 	 	58			1	
11			-	 -	57		 	 	
12			 		58	 			
13	 		 	 	59			<u> </u>	
14	 	 		 	60		 	 	
15	+	 	 	 	61	 	 		
16	 	 			62	 	 	 	
17	 	 	 		63	+	 	 	
18	 -	 		 	64	 	 	 -	
19	 			 	65	 	 	 	
20	 	 		 	66	 	 	 	!
20		 	 		67	 	 		 -
21	 	 	 -		68	 	 -	 	
22	 -		 		69	 	 	 	
23		 	 	 	70	 	 	 	
24	 		}	 -	71	 	 	 	
25	 		 	+	$\frac{1}{72}$	 	 	 	
26		 	 	+	73	 	 	1	
27		 	 	 	74 -		 -		
28	 	 	 	 	75		 	 	
29 30		 	· 		78	 		 	
31			 	 	1 77	 -	 -	 	
31	 	 	 	 	78	+	+	 	
32		 	 		79	}	 	 -	 -
33	 -		 		1 80	· ·	 		
34		 	 -	 -	81	 			·
35	- 	 			82	 			
38		 	 	 	83	 			+
37		 	 	 	- 63	 	 -		
38		 		 	84	 	 	 	
39		 	 	 	85		+		
40	J	<u> </u>	 	 	86	+			
41	11	 	1 _ 1		87	 			
42	7		15	 	88		. 		
43	19		34		89	 			
11	46		88		90				
45	25	6	63	9	91		<u> </u>		- -
46	27	7	75	7	ــــاز.	<u> </u>		 .	

Table 6.2 (Continued)

TIME 2225-2245 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	16	61	23	102
2					48	4	25	4	47
3					49	4	16	5	28
4					50	1	6	1	12
5	1				51	1	3	1	4
в					52		1		1
7					53	1		1	
8					54				
9					55				
10	1				56		1		
11	1			 	57		 	<u> </u>	
12	 		· · · · · · · · · · · · · · · · · · ·		58				
13			1		59	 	 		
14	 				60	 	 	 -	
15	 	 		 	61				
16	1	 			62	1	 	 	
17	 	·			63	-			
18				 	64		·	 	1
19	1			 	65	 		 	
20					66				
21	1		1		67				
22					68		1	1	
23				1	69			1	
24					70				
25	1				71			1	
26					72		I		
27				I	73				
28					74				
29		l			75				
30					76				
31					77				
32			L		78				
33					79				
34					80				
35	1	<u> </u>	<u> </u>	<u> </u>	81	<u> </u>			
36	1				82		ļ	<u> </u>	
37	2	<u> </u>	5		83		ļ		
38	3		4		84				ļ
39	12		31		85	1	<u> </u>	1	
40	13		24		86		<u> </u>		
41	25		68	3	87	<u> </u>		<u> </u>	
42	34	2	111	9	88			L	
43	46	7	72	17	89	L		L	
44	57	15	86	44	90				
45	12	60	21	123	91	L		L	
46	9	44	22	88][1		1	

Table 6,2 (Continued)

TIME 0135-0155 CST

Post	10 -	min	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source		Source	450 m	No.	Source	450 m	Source	450 m
					47	3		5	
3	•				48	3	1	3	2
3					49	4		5	2
4					50	8	1	9	2
5					51	8	1	13	4
6					52	22	7	35	9
?	i		T		53	19	11	29	16
8	 				54	35	13	53	24
9	†				55	37	32	78	60
10	1				56	34	21	79	41_
11	 		 		57	18	50	56	98
12	 -	 	 		58	26	47	64	96
13	 	 			59	12	20	24	38_
14	 		 		80	5	20	12	50
15	 	 	 	 	61	2	8	8	17
16	 		 	 	62	3		4	
17	 			 	63	<u>-</u> -	5		5
			 	 	64	 		 	9
18	 	 	 	 	65	 	1	1	2
19	 		 	 	66	 	 	 	2_
20	 	 	 	 -	67		 		
21	 		 	ļ	68	 -	 	 	1_1_
22	 		 		69				
23	 	 	 	ļ	70	 	 -	 	
24	 		 	 	71	 	 	 	
25	 	 		 	72	 		 	
26		 	 	 	73		 	 -	
27	 	 	 		74	 	 	ļ	
28	 	 	 -	 	75	 	 	 	
25	 	 	 -	 	76	 	∤		
135		 	 	 -	77	 	 -	 	
31	}	 -	 	 			 	ļ_ -	
32	 	 	 	 	78	 	 	 	
33	 	 	 	 	79	 	 	 	
34			 	ļ	80	 	 	ļ	
35	 	 _	 	ļ	81		 	 	
36	 	 	↓	ļ	82	 		ļ <u>.</u>	
37				ļ	83		↓ ~~~	 	
38	↓			<u> </u>	84		 	ļ	
39	ļ	ļ		 -	85	 		<u> </u>	
40	<u> </u>	ļ	 	L	86			 	
41	1	l		<u> </u>	87	<u> </u>		L	
42	1				88				
43		1		1	89			L	
44	I			1	90	l			
45	1		1		91				
46	1	1	1						

Table 6.2 (Continued)

DATE 26 August 1956

TIME 1055-1115 CST

Post	10 -	10 - min. 20 - min.		min.	Post				20 - min.		
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m		
_1					47	3	<u> </u>	4			
2	.				48	4		4			
3			<u></u>		49	_6	4	9	5 2		
4	<u> </u>		l		50	9	<u> </u>	10	2		
5					51	3	8	5	- 8		
6		í			52	12	9	15	7		
7					53	16	10	24	14		
8				i.	54	11	16	19	19		
9	1	[55	23	30	40	36		
10					56	16	7	32	11		
11	1	f	f		57	19	23	38	32		
12	1		 	 	58	23	36	41	46		
13					59	19	111	23	18		
14	 -	 	 		60	17	24	50	47		
15	 	 	 	 	61	10	12	22	21		
16	 -	 	 -	 	62	6	12	22	30		
17	 	 -		 	63	8	12	25	62		
18	 	 	 	 	64	5	5	18	24		
19	 	 	 -	 	65	5	3	18	27		
20		 	 	 	66	3		10	16		
21	 	 	 -	 	67	5	6	9	24		
21	 	 	 	 							
22 23	 	 		 	68	4	3	10	15		
	 		 	 	69	5	44	11	7		
24 25	 	 	 	ļ	70	2	3	7	6		
	·	 	 	 	71	2	 	4	<u> </u>		
26				+	72	2	11	4	 		
27	 	 	 	;	73	 	 	1			
28_	 	 	 	i	74	2	 	3	 		
29	 	ļ <u></u> -	_	 	75	 		 	 		
30		 		 -	76	 			 		
31		ļ		 	77	<u> </u>	ļ	 			
32		 		 	78	 		 	 		
33	 	 		 	79		 -	 	├ ──		
34	J		 	ļ	80	ļ		<u> </u>			
35	<u> </u>		<u> </u>	ļ	81	<u> </u>	<u> </u>				
36	l			<u> </u>	82	ļ	1	L			
37				<u> </u>	83		L				
38		1		1	84			J			
39			T		85						
40			T		86		L				
41	1	ľ			87		7				
42	1	 	†	 	88		 	1	1		
43	1	†		† — —	89		1	1			
44	†	1	 	†	90	†	1	1	 		
15	1	 	·	1	91	·	1	 			
46	 	1	1	† <u>-</u>	∤}~-∵ **	+		+	 		

Table 6.2 (Continued)

DATE 26 August 1956

TIME 1355-1415 CST

Post	10 -	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	1			
2					48				
3					49	1		1	
4					50	1		1	
5					51				
6					52	4		4	
7	1	1		t — — —	53	5	1	7	4
8					54	3		5	i
9					55	5	2	10	8
10	 		 		56	9	3	18	5
11	 	 	 		57	6	10	12	17
12	 		<u> </u>		58	23	11	39	17
13	 	 	 		59	17	10	29	16
14	 	1			60	21	28	31	40
15	 	 	†	 	61	15	19	32	29
16	+	 	 		62	21	27	41	50
17	 	 	 	 	63	21	33	40	63
18	 -	† <i></i>		 -	64	20	21	31	37
19	 	 	 	 	65	17	21	48	41
20	 	<u> </u>	 	 	66	23	12	37	34
21	+	-	 -	 	67	9	16	26	38
22	 	 	 	 	68	8	18	20	38
23	 	 	 		69	6	6	18	17
24	 		 		70	 	2	7	13
25	+	 	 	<u> </u>	71	4	 -	7	7
26	+	 	 	 	72	1 - 2 -	†	5	3
27	 	 	1	!	73	 	1	1	
28	 	1	 	 	74	1	 	3	
29			1	i	75	1	1	4	
30	†			T	76				1
31					77			1	
32	 		1		78				
33	1		1		79	1			
34	!				80		Ţ		1
35	1	 	1	1	81	1	1	1	T
36	1	1		 	82	1	1		
37	1		Ţ	1	83		1		
38	 -	1			84	1		1	T
36	1	 	† 		85	1		 	
4:	1	 	1	†	86	1	1		T
4	 		1	 	87		1	1	
42	 	1	 	† ·	88	 	 	1	
43	1	 	1	 	89	 	 	1	
44	+	1	1	 	90	 	—	 	
45	· 	1	 	1	91	 -	 	<u> </u>	
46		 	-	1	╢╌ ╌,		 	 	†
1 70	-1 <u>-</u>	.1	1	1	JL	٠		1	1

Table 6.2 (Continued)

DATE 29 August 1956

TIME 1925-1945 CST

Post	10 - 1	min.	20 -	min.	Post	10 -	min.	20 -	min.
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	34	7	10	53
2					48	11	77	9	18
2					49	8	4	4	13
4					50	5	1	3	7_7
5					51	5	1	î	6
6	1				52				1
7			 		53			1	
8					54			1	
9					55	1		1	1
10					56	1		1	
11					57				
12					58		1		
13	1		l		59			1	
14					60			1	
15	† — — —		 		61				
16	1		 		62		1		
17	 				63				
18	† — — — — — — — — — — — — — — — — — — —				64		<u> </u>		
19_			 	ļ -	65	<u> </u>	1		
20					86			1	
21					67				
22			<u> </u>		68		1	1	
23	1				69			1	
24			1		70				
25					71				
26					72				
27					73				
28					74				
29			I		75		<u> </u>		
30					76				
31			1		77				
32		1			78				ļ
33					79	L	<u> </u>	L	ļ
34		l	11	L	80	ļ			
35			<u></u>		81		<u> </u>		ļ
36		1	2	1	82	L		ļ	ļ
37	L	Е	10		83	l	<u> </u>	1	<u> </u>
38	I	11	8	1	84			1	ļ
39		17	39	4	85	l		<u> </u>	
40	5	10	28	6	86			1	
41	8	39	76	24	87	L		<u> </u>	
42	17	44	87	49	88				
43	23	25	47	53	89	l		1	ļ
44	30	39	82	77	90	L		1	
45	56	17	32	110	91	L			
46	34	20	37	54		I			

Table 6.2 (Continued)

DATE 29 August 1956

TIME 2125-2145 CST

Post	10 - 1	10 - min. 20 - min.		Post	10 - 1	min.	20 - mln.		
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	2	3	2	6
2					48		1		4
3					49				3
4					50		 		1 1
5	 			i	51				
6					52				
7					53			 	
8	 				54				1
9					55			 	
10	 				56		 	 -	
11		 		~	57	 		 	
12	 		 -		58	 	 	 	
13	 				59			 	
14		 			60			 	 -
15	 -	 	 	 	61		<u> </u>	 -	
16	 	 	 -	 	62	 		 	
17	 	<u> </u>			63		<u> </u>	 	
18	 	 -	 	 	64	 		 	
19	 				65	 	 	 	
			 			 	 	 	
20	 	 			66	ļ	 		
21	 				67	ļ	ļ	ļ	
22	ļ	ļ	<u> </u>	ļ	68	ļ		ļ	ļ
23					69				
24	 -		ļ		70	 		ļ	
25		ļ		 	71	ļ		 	
26	 	 	ļ	ļ	72				
27					73	ļ		ļ	
28	 	 	 	 	74			 -	
29	1_1_	<u> </u>	2	ļ	75			 	
30	 		3	 	76				<u> </u>
31	1				77			 _	
32	7		12	_	78			 -	i
33	7	ļ	14	 	79	 			
34	9	ļ	22	 	80	 		 	
35	18	L	50	ļ	81	L	ļ	 _	<u> </u>
36	16	6	39	7	82				ļ
37	22	9	65	13	83	l		1	
38	17	23	39	31	84				
39	29	22	55	25	85				
40	25	24	39	42	86				
41	31	33	59	66	87				
42	23	32	38	73	88]
43	13	32	18	77	89				T
14	12	35	14	73	90	<u> </u>	T		1
45	3	15	4	38	91	1	 	1	T
46	3	5	3	20	1	†	 	 	$\overline{}$
10		a			J				

Table 6.2 (Continued)

DATE 30 August 1956

TIME 0025-0045 CST

Post	10 - min.		20 - min.		Post	10 - min.		20 - min	
No.	Source	450 m	Source	450 m	No.	Source	450 m	Source	450 m
1					47	34	12	59	47
2					48	34	19	63	41
3					49_	42	21	56	62
4					50	27	25	35	47
5					51	26	50	36	77
6	1				52	14	33	18	45
7	1				53	9	32	10_	39
8					54	7	22	7	27
9					55	2	12	2	15
10		<u> </u>			56		2		4
11	1				57		ī		2
12					58		2		2
13				-	59		 		
14	 -	 	 	 	60	 	 	 	
15	 	 		<u> </u>	61	 	 	 	
16	+		 	 -	62	 	 1 	 	1
17	+	 	 	 	63	 	 		
18	+	 	 	-	64		 -	 	
19	 				65	 	 	 	
20	 	 	 -	 	66	 	 	 	-
21	+	 -	 		67	 		 	
22-		 	 	 -	68	 	 	 	
23	+	 	 	 	69			 	
24	 	 	 		70	 	+	 	
25	 	 -	 	 	71	∤	 -	 	
28	 	 	 	 	72	 	 	 	
27	 		 		73	 	 		
28		 	 	 -	74	 	 		
29	+	}	 	4	75	 	 	 	
30	- 	 	 	 -	76	 		 	
31	 	 	 		77		 	 -	
32	 	 	 	 -	78	 	 	∤	
33	· }	 	 	 	79	 	 	 -	
	+	 	 -	 -	80	 	 	 	
34	+	 -	 	 	81	 -	 	 	
36	 	 	 	 		 	 	 -	
36	 	 			82	 	 	 	
37	1	 	1		83	 	 	 	
38		↓	44	 	84	 	 		
39	 	 	2	1	85	 -	 	ļ	
40	 	 	9	 	86	 	 	 	├
41	11	<u> </u>	14	2	87	 		 	<u> </u>
42	2	<u> </u>	14	2	88		 	 -	↓
43	4	1	20	8	89	<u> </u>	i	ļ	<u> </u>
44	8	1	42	10	90				<u> </u>
45	9	4	32	28	91	1	L	<u> </u>	
46	20	3	55	19	11		1	1	

Table 6.2 (Continued)

DATE 30 August 1956

TIME 0025-0245 CST

No. Source 450 m Source 450 m 47	20 - min.		min.	10 - min.		min.	t 10 - min. 20 - mi		Post	
2 48 7 28 12 3 49 3 27 7 4 50 15 3 5 51 2 8 2 6 52 3 7 53 4 8 9 553 4 9 55 1 55 1 1 1 55 1 1 1 1 1 1 56 1	450 m	Source	450 m	Source		450 m	Source	450 m	Source	No.
2	60	23	42	6						
3	43	12	28	7	48					2
4 50 15 3 6 51 2 8 2 7 53 4 4 4 4 4 8 9 553 4 4 4 4 8 9 554 9 555 1 1 1 57 1 1 1 57 1 1 1 1 57 1 1 1 1 1 1 57 1	40			3						3
56 51 2 8 2 7 53 4 3 4 6 6 1 53 4 4 6 6 6 1 53 4 4 6 6 6 1 6 6 6 1 6 6 1 1 1 55 55 1 1 1 1 1 57 1 1 1 1 1 1 57 1	21_				50					4
6 52 3 7 53 4 8 54 9 10 56 11 11 57 1 12 58 1 13 59 14 16 60 61 16 62 61 17 63 64 19 65 63 20 66 66 21 67 22 22 68 69 24 70 70 25 71 72 27 73 74 29 75 30 30 76 31 31 77 1 32 78 8 33 79 82 37 8 24 1 38 24 1 80 33 38 24 1 38 2 1 11 2 39 16 24	12			2	51					5
8 54 9 55 10 56 11 57 12 58 13 59 14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 79 33 8 24 1 38 24 1 38 24 1 38 24 <	3		3		52					_6
9 55 10 56 11 57 12 58 13 59 14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 35 7 1 36 9 82 37 8 24 1 38 2 1 1 38 2 1 1 39 16 24 2 40 8 1 26 9	4		4		53					7_
9 556 10 566 11 57 12 58 13 59 14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 35 7 1 36 9 82 37 8 24 1 38 2 1 1 39 16 24 2 40 8 1 26 9 39 16 24 2 <td></td> <td></td> <td></td> <td></td> <td>54_</td> <td></td> <td></td> <td></td> <td></td> <td>8</td>					54_					8
11 57 1 12 58 1 13 59 1 14 60 60 15 61 61 16 62 1 17 63 1 18 64 64 19 65 66 20 66 66 21 67 22 22 68 62 23 69 69 24 70 69 24 70 70 25 71 73 26 72 73 27 73 73 28 74 70 29 75 33 30 76 31 31 77 8 33 79 34 33 79 34 33 79 34 33 8 24					55]	9
11 57 1 12 58 1 13 59 1 14 60 60 15 61 61 16 62 1 17 63 1 18 64 64 19 65 66 20 66 66 21 67 22 22 68 62 23 69 69 24 70 69 24 70 70 25 71 73 26 72 73 27 73 73 28 74 70 29 75 33 30 76 31 31 77 8 33 79 34 33 79 34 33 79 34 33 8 24					56					10
12 58 13 60 14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 36 9 37 8 24 1 39 16 24 2 39 16 24 2 39 16 24 2 40 8 41 35 26 9 86 6 41 35	1		1							11
13 59 14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 79 33 79 34 1 80 35 7 1 81 36 9 82 37 8 24 1 83 38 2 1 11 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 41 35 2<	1									
14 60 15 61 16 62 17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 80 35 7 1 36 9 82 37 8 24 1 83 38 2 1 11 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 41 35 2 65 25 87										
15 61 62 17 63 63 18 64 63 19 65 65 20 66 67 21 68 22 22 68 69 24 70 70 25 71 72 26 72 73 28 74 74 29 75 76 30 76 77 31 77 79 34 1 80 35 7 1 36 9 82 37 8 24 1 39 16 24 2 40 8 1 26 9 40 8 1 26 9 41 35 2 65 25 87 41 35 2 65 25 87 41 35 2 65 25 87										
16 62 17 63 18 64 19 65 20 66 21 66 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 76 33 79 34 1 80 35 7 1 81 36 9 82 37 8 24 1 83 38 2 1 11 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88				 					1	
17 63 18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 80 35 7 1 81 36 9 82 37 8 24 1 83 38 2 1 1 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88									1	
18 64 19 65 20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 76 30 76 31 77 32 78 33 79 34 1 80 35 7 1 81 36 9 82 37 8 24 1 83 38 2 1 11 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88							1			
19 65 20 66 21 66 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 80 35 7 1 61 36 9 82 37 8 24 1 83 38 2 1 11 2 84 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88										
20 66 21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 80 35 7 1 36 9 82 37 8 24 1 39 16 24 2 40 8 1 26 9 36 9 86 41 35 2 65 25 87 42 41 5 86 43 88									 	
21 67 22 68 23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 76 33 79 34 1 80 35 7 1 36 9 82 37 8 24 1 38 2 1 11 2 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88	1		 							20
22 68 23 70 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 76 33 79 34 1 80 35 7 1 36 9 82 37 8 24 1 38 2 1 11 2 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88	 		1				 		†	21
23 69 24 70 25 71 26 72 27 73 28 74 29 75 30 76 31 77 32 78 33 79 34 1 80 35 7 1 36 9 82 37 8 24 1 38 2 1 11 2 39 16 24 2 85 40 8 1 26 9 86 41 35 2 65 25 87 42 41 5 86 43 88										22
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